

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

GEOCHEMICAL ANALYSES OF SAMPLES OF ROCK,
STREAM-SEDIMENT, AND PANNEO HEAVY-MINERAL CONCENTRATE,
HOOVER WILDERNESS AND ADJACENT STUDY AREAS, CALIFORNIA

by

M. A. Chaffee, C. A. Bannister, J. B. Bernard,
J. R. Giusso, R. H. Hill, W. J. Keith, J. F. Seitz,
W. S. Speckman, and S. J. Sutley

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INTRODUCTION

Geochemical sampling was conducted in the Hoover Wilderness and adjacent study areas, Alpine, Mono, and Tuolumne Counties, California, during the summer of 1978. This report includes a map showing the locations of sites sampled in this program (pl. 1) and a tabulation of chemical analyses for samples of rock, stream sediment, and panned heavy-mineral concentrate collected at each sample site (tables 2, 3, and 4, respectively).

SAMPLE COLLECTION AND PREPARATION

A set of samples was collected at most sites on plate 1; a complete set consisted of a rock sample, a stream-sediment sample, and a bulk stream-sediment sample for later panning. At some sites only one or two of the three sample media were collected. A total of 74 rock samples, 182 stream-sediment samples, and 180 bulk-sediment samples were collected.

Rock Samples

All rock samples were collected from outcrops. Wherever necessary each sample was hand cobbled to remove any obvious weathered material. All samples were crushed and pulverized before analysis. Most of the rock samples were collected from outcrops that were considered to be representative of the general area sampled. A few samples were also collected from mineralized outcrops. The latter include samples HV-9182 and HV-9188 through HV-9194.

Stream-sediment Samples

Samples of alluvium in active streams were collected wet and then were air dried. The dry material was sieved using a 0.25-mm (60-mesh) stainless steel screen in an aluminum frame, and the minus 0.25-mm (60-mesh) fraction was pulverized and saved for analysis.

Panned Heavy-mineral-concentrate Samples

The bulk sample of active stream-sediment material was passed through a 2.0-mm (10-mesh) screen to remove the coarsest material. The material passing through the screen was wet-panned until most of the quartz, feldspar, organic material, and clay-sized material was removed. The sample was air dried, and highly magnetic material was removed using a magnet. Any light material remaining in the concentrate was then separated by allowing the heavier fraction of the sample to settle through bromoform (specific gravity 2.86). The resulting heavy-mineral fraction was then separated into a magnetic and a nonmagnetic fraction using a Franz Isodynamic Separator^{1/} at a setting of 0.6 amps, with 15° forward and 15° side settings. The resulting nonmagnetic fraction was pulverized in an agate mortar before analysis.

^{1/} The use of trade names in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

GEOCHEMICAL ANALYSIS

All three types of samples were analyzed for Fe, Mg, Ca, Ti, Mn, Ag, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cu, La, Mo, Nb, Ni, Pb, Sc, Sn, Sr, V, W, Y, Zn, Zr, and Th using a six-step semiquantitative emission spectrographic method (Grimes and Marranzino, 1968). Because of matrix interference problems, the technique has been modified for the panned heavy-mineral concentrates. As a result the lower limits of detection for this type of sample are all raised two reporting values above the normal lower limit value (table 1). The rock and stream-sediment samples were also analyzed for As using a colorimetric method (Ward, Lakin Canney, and others, 1963), for Zn by atomic-absorption spectrometry (Ward and others, 1969), for Sb by atomic-absorption spectrometry (Welsch and Chao, 1975), and for Cd and Bi by a single digestion atomic-absorption spectrometric technique (Viets, 1978). Because of a limited amount of sample material, the panned heavy-mineral concentrates were only analyzed spectrographically. Analysis for all three sample types was done partly in the field and partly in U.S. Geological Survey laboratories in Denver.

Because they were not detected in the spectrographic analyses for the rock samples (table 2), the elements As, Au, and Cd have been deleted as have the elements As, Au, Cd, and Sn from the stream-sediment samples (table 3). Because of the formatting used in the computer program that produced tables 2 through 4, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Be, AA-Cd, and AA-Bi) carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the nonsignificant digits.

Table 1.--Lower limits of analytical detection
for samples of rock, stream sediment, and
panned heavy-mineral concentrate, Hoover
Wilderness and adjacent study areas, California

[(---) indicates no 'N' values, all 'N' values,
or not analyzed. AA indicates atomic absorption
analysis; CM indicates colorimetric analysis;
all other elements are spectrographic analysis.
Elements shown in Tables 2, 3, and 4 but not
listed here do not have any reported values
below their respective lower limits of detection.]

Element	Lower limit of detection (ppm)	
	Rock and stream sediment	Heavy-mineral concentrate
Ag	0.5	1.0
As	---	500
Au	---	20
B	10	20
Be	1	2
Bi	10	20
Co	5	10
Cr	10	20
Cu	5	10
Mo	5	10
Nb	20	50
Ni	5	10
Pb	10	20
Sc	5	---
Sn	10	20
Sr	100	200
W	50	100
Y	10	---
Zn	200	500
Th	---	500
AA-Cd	.05	---
AA-Bi	.5	---
CM-As	10	---

DESCRIPTION OF TABLES 2-4

For the three sample sets the data are arranged so that column 1 contains the U.S. Geological Survey assigned sample numbers. Numbers in the 9000 series are prefixed by HV, all other numbers are prefixed by WL. These numbers coincide with the numbers on the site location map (pl. 1). Rock samples are suffixed by RK, stream sediments by SS, and concentrates by KN. Latitude and longitude (in degrees, minutes, and seconds) are given in columns 2 and 3. Columns in which the element headings (denoted in capital letters) are preceded by an S are emission spectrographic data. Columns in which the element headings (denoted in capital letters) are preceded by AA are atomic absorption data. Column 34 in table 2 and column 34 in table 3 are colorimetric determinations for arsenic (CM-AS). The suffix P in the element headings for the four elements analyzed by atomic-absorption spectrometry is merely a bookkeeping entry that refers to the analytical method used. All element concentrations are given in parts per million (ppm), except for Fe, Mg, Ca, and Ti, which are given in percent.

If a given element was looked for but not detected in a sample, then the letter "N" is entered in place of an analytical value. The lower limit of detection for each element for which one or more "N" values have been reported is given in table 1.

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California

sample	LATITUDE	LONGITUD	S-FEX	S-MG%	S-CAX	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9005SRK	38 8 39	119 22 42	1.5	•20	1.50	•200	700	N	10	1,500	5.0	N
HV9011RK	38 6 25	119 16 58	2.0	1.50	2.00	•300	700	N	20	1,500	2.0	N
HV9012RK	38 16 14	119 32 48	5.0	2.00	3.00	•500	1,000	N	15	1,000	3.0	N
HV9013RK	38 17 14	119 32 37	2.0	1.00	3.00	•500	700	N	10	2,000	3.0	N
HV9016RK	38 18 33	119 31 18	3.0	1.50	2.00	•700	700	N	30	1,500	5.0	N
HV9017RK	38 8 24	119 41 43	1.5	•70	2.00	•200	700	N	20	700	5.0	N
HV9022RK	38 10 48	119 38 0	2.0	1.00	2.00	•500	700	N	50	700	2.0	N
HV9025RK	38 14 5	119 33 17	3.0	1.50	2.00	•500	700	N	20	1,000	2.0	N
HV9026RK	38 20 33	119 31 43	5.0	2.00	3.00	•700	1,000	N	20	1,500	2.0	N
HV9028RK	38 9 54	119 30 46	2.0	.70	2.00	•300	700	N	10	1,500	2.0	N
HV9031RK	38 10 49	119 31 48	2.0	1.00	2.00	•500	500	N	20	1,500	2.0	N
HV9034RK	38 14 34	119 32 47	3.0	1.50	3.00	•500	1,000	N	20	700	2.0	N
HV9036RK	38 14 46	119 32 16	5.0	1.50	3.00	•500	1,000	N	20	1,000	2.0	N
HV9037RK	38 14 43	119 33 57	3.0	1.50	3.00	•500	1,000	N	20	700	2.0	N
HV9040RK	38 15 15	119 33 59	5.0	1.50	3.00	•500	500	N	20	1,000	2.0	N
HV9042RK	38 13 3	119 29 15	1.5	1.00	2.00	•300	500	N	10	1,500	3.0	N
HV9045RK	38 14 47	119 29 32	2.0	1.00	2.00	•300	500	N	10	1,500	3.0	N
HV9049RK	38 13 10	119 27 15	2.0	1.00	2.00	•300	700	N	10	1,000	3.0	N
HV9053RK	38 16 50	119 22 36	5.0	2.00	5.00	•1,000	1,000	N	100	2,000	3.0	N
HV9054RK	38 7 29	119 26 35	2.0	1.00	1.50	•200	700	N	10	700	5.0	N
HV9057RK	38 8 40	119 26 7	1.5	•50	2.00	•200	300	N	10	2,000	3.0	N
HV9059RK	38 11 5	119 27 1	5.0	1.50	5.00	•500	1,000	N	150	700	2.0	N
HV9060RK	38 11 2	119 27 2	5.0	7.00	10.00	•700	2,000	N	20	1,500	5.0	N
HV9064RK	38 10 33	119 29 32	1.5	•50	2.00	•200	700	N	15	1,500	3.0	N
HV9071RK	38 9 55	119 24 26	5.0	1.50	3.00	•500	1,000	N	10	1,500	2.0	N
HV9084RK	38 6 28	119 20 43	2.0	1.00	1.00	•200	500	N	100	700	2.0	N
HV9091RK	38 18 31	119 35 27	1.0	•50	1.00	•300	500	N	10	700	1.0	N
HV9101RK	38 17 32	119 28 32	5.0	2.00	3.00	•700	1,000	N	50	1,500	5.0	N
HV9105RK	38 18 1	119 28 27	2.0	•10	•07	•500	200	N	70	2,000	2.0	N
HV9108RK	37 57 36	119 16 46	5.0	1.00	•50	•700	300	<.5	100	1,000	2.0	N
HV9109RK	37 57 11	119 15 34	1.0	1.00	2.00	•100	300	N	50	1,000	N	N
HV9111RK	37 58 55	119 17 26	7.0	1.00	5.00	•700	1,500	N	20	2,000	2.0	N
HV9112RK	37 58 41	119 17 39	3.0	1.50	3.00	•500	700	N	30	700	3.0	N
HV9114RK	38 15 4	119 32 5	5.0	2.00	2.00	•500	700	N	50	1,000	2.0	N
HV9115RK	38 15 27	119 31 57	2.0	1.50	2.00	•500	1,000	N	20	1,000	2.0	N
HV9120RK	38 10 38	119 33 52	5.0	1.50	3.00	•700	1,500	N	200	1,000	3.0	N
HV9122RK	38 11 40	119 34 22	5.0	2.00	3.00	•700	1,000	N	70	1,000	3.0	N
HV9123RK	38 12 20	119 35 49	2.0	1.50	2.00	•700	700	N	50	1,000	2.0	N
HV9126RK	38 13 23	119 36 13	7.0	3.00	5.00	•1,000	1,500	N	20	1,000	2.0	N
HV9129RK	38 14 48	119 34 15	3.0	1.00	2.00	•500	500	N	20	1,000	2.0	N
HV9132RK	38 10 3	119 32 11	3.0	1.50	2.00	•500	700	N	100	1,500	3.0	N
HV9134RK	38 9 33	119 31 22	1.5	•30	2.00	•300	700	N	20	1,500	3.0	N
HV9141RK	38 13 13	119 18 25	1.0	•50	1.00	•200	500	N	10	1,500	2.0	N
HV9143RK	38 2 56	119 18 25	2.0	1.00	1.50	•300	700	<10	1,500	1.5	2,000	N
HV9144RK	38 3 2	119 18 29	1.5	.30	.20	•200	300	N	20	1,000	2.0	N

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SN	S-SR
HV9005RK	N	<10	1	<5	30	N	<5	20	5	N	700
HV9011RK	10	10	7	5	30	N	7	20	7	N	500
HV9012RK	15	10	10	10	30	N	5	20	10	N	700
HV9013RK	5	<10	5	50	50	N	30	7	N	N	700
HV9016RK	15	20	30	50	50	N	10	30	10	N	700
HV9017RK	5	<10	<5	30	50	N	<5	20	7	N	200
HV9022RK	10	10	5	50	50	<20	7	20	7	N	500
HV9025RK	15	15	7	30	50	N	10	20	10	N	500
HV9026RK	20	30	50	30	30	N	30	20	15	N	1,000
HV9028RK	<5	<10	5	70	N	<20	N	30	5	N	1,000
HV9031RK	5	<10	N	50	N	<20	N	30	7	N	1,000
HV9034RK	15	15	10	30	N	10	20	10	10	N	500
HV9036RK	15	20	7	30	N	7	20	10	10	N	500
HV9037RK	15	15	7	30	N	10	30	7	7	N	500
HV9040RK	15	10	7	50	N	<20	5	30	10	N	700
HV9042RK	5	<10	<5	50	N	N	<5	20	5	N	700
HV9045RK	7	<10	<5	50	N	N	<5	30	5	N	1,000
HV9049RK	7	<10	15	30	N	N	<5	20	7	N	500
HV9053RK	30	70	100	70	N	5	50	N	20	N	1,000
HV9054RK	<5	<10	<5	50	N	<20	N	30	7	N	1,000
HV9057RK	N	<10	<5	30	N	N	<5	30	5	N	1,000
HV9059RK	20	50	200	30	N	20	30	15	15	N	700
HV9060RK	30	50	70	100	N	200	20	20	20	N	1,000
HV9064RK	5	<10	<5	30	N	N	<5	20	5	N	700
HV9071RK	7	<10	<5	50	N	N	<5	20	15	N	700
HV9084RK	7	<10	<5	50	N	N	<5	10	10	N	<100
HV9091RK	5	N	<5	30	N	N	<5	30	5	N	500
HV9101RK	15	30	70	50	N	<20	20	20	15	N	1,000
HV9105RK	N	10	10	70	N	<5	<20	N	70	N	100
HV9108RK	15	50	30	50	N	<20	30	20	15	N	150
HV9109RK	<5	20	20	20	N	N	20	15	5	N	N
HV9111RK	10	<10	<5	50	N	N	<5	20	20	N	700
HV9112RK	10	10	<5	30	N	N	5	20	7	N	500
HV9114RK	15	15	5	30	N	N	5	20	10	N	500
HV9115RK	10	20	5	30	N	N	10	20	10	N	500
HV9120RK	15	15	15	30	N	<5	N	10	20	N	500
HV9122RK	20	20	7	30	N	7	<20	20	15	N	300
HV9123RK	15	20	7	30	N	10	N	15	20	N	500
HV9126RK	30	30	50	50	N	N	5	30	20	N	1,000
HV9129RK	7	10	7	50	N	N	5	30	7	N	700
HV9132RK	7	10	10	30	N	N	<5	N	30	N	300
HV9134RK	<5	<10	<5	50	N	N	<5	N	30	N	700
HV9141RK	N	N	5	50	N	N	<5	N	30	N	500
HV9143RK	5	N	7	30	N	N	<5	N	20	N	300
HV9144RK	<10	5	5	20	N	N	<5	N	20	N	500

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California

sample	S-V	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
HV9005RK	50	N	15	N	150	50	.20	<.5	2	N
HV9011RK	150	N	10	N	100	35	.25	<.5	1	N
HV9012RK	200	N	20	N	200	55	.30	<.5	2	N
HV9013RK	100	N	15	N	150	55	.20	<.5	2	N
HV9016RK	200	N	20	N	300	45	.30	<.5	1	N
HV9017RK	70	N	20	N	150	45	.20	<.5	2	N
HV9022RK	100	N	10	N	100	65	.20	<.5	2	N
HV9025RK	200	N	15	N	150	65	.20	<.5	1	N
HV9026RK	500	N	20	N	200	55	.20	<.5	3	N
HV9028RK	70	N	20	N	200	55	.20	<.5	1	N
HV9031RK	70	N	15	N	150	55	.20	<.5	2	N
HV9034RK	200	N	15	N	150	55	.20	<.5	1	N
HV9036RK	200	N	20	N	200	55	.20	<.5	1	N
HV9037RK	150	N	15	N	200	55	.20	<.5	2	N
HV9040RK	150	N	15	N	150	60	.20	<.5	1	N
HV9042RK	70	N	10	N	150	55	.20	<.5	2	N
HV9045RK	70	N	10	N	150	55	.20	<.5	2	N
HV9049RK	100	N	20	N	200	50	.20	<.5	2	N
HV9053RK	500	N	30	N	700	55	.25	<.5	3	N
HV9054RK	70	N	15	N	150	70	.20	<.5	2	N
HV9057RK	50	N	15	N	100	40	N	1.0	2	N
HV9059PK	200	N	<50	N	100	60	.30	<.5	1	N
HV9060RK	300	N	30	N	100	75	.25	<.5	1	N
HV9064RK	70	N	10	N	100	70	.20	<.5	2	N
HV9071RK	200	N	30	N	200	20	.30	<.5	2	N
HV9084RK	100	N	20	N	200	30	.25	<.5	2	N
HV9091RK	100	N	10	N	70	55	.25	<.5	2	N
HV9101RK	200	N	30	N	200	50	.25	<.5	1	N
HV9105RK	100	N	20	N	700	10	.20	<.5	2	N
HV9108RK	200	N	30	N	200	70	.20	<.5	3	N
HV9109RK	300	N	10	N	100	130	2.50	<.5	2	N
HV9111RK	500	N	50	N	100	55	.20	<.5	2	N
HV9112RK	100	N	15	N	150	45	.20	<.5	1	N
HV9114RK	200	N	20	N	500	60	.20	<.5	1	N
HV9115RK	200	N	20	N	100	55	.20	<.5	1	N
HV9120RK	200	N	30	N	300	70	.35	<.5	2	N
HV9122RK	200	N	50	N	500	50	.20	<.5	2	N
HV9123RK	200	N	15	N	200	60	.20	<.5	1	N
HV9126RK	500	N	30	N	200	65	.25	<.5	2	N
HV9129RK	200	N	15	N	100	45	.15	<.5	1	N
HV9132RK	100	N	30	N	200	45	.25	<.5	2	N
HV9134RK	70	N	10	N	200	55	.20	<.5	1	N
HV9141RK	100	N	20	N	70	45	.35	<10	2	N
HV9143RK	100	N	30	N	100	40	.25	<.5	2	N
HV9144RK	150	N	10	N	70	25	.25	<.5	1	N

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9145RK	38 4 41	119 17 21	1.5	.50	1.00	.200	.500	N	15	1,000	1.0	N
HV9151RK	38 4 40	119 19 14	1.5	.50	.70	.200	1,000	N	100	1,000	1.0	N
HV9153RK	38 5 52	119 17 23	1.5	.50	1.50	.200	700	N	<10	700	1.0	N
HV9156RK	37 57 46	119 14 13	1.5	2.00	2.00	.200	700	<.5	20	1,500	1.5	N
HV9159RK	38 3 7	119 16 21	2.0	1.00	1.50	.300	1,500	N	<10	5,000	5.0	N
HV9163RK	38 11 7	119 39 15	.5	.10	.50	.100	150	N	<10	200	1.0	N
HV9167RK	38 18 35	119 21 25	1.0	.50	.70	.200	200	<.5	50	1,000	1.5	N
HV9168RK	38 18 31	119 21 20	1.5	.30	.70	.500	150	N	30	1,500	1.0	N
HV9174RK	37 56 24	119 15 6	1.0	.50	<.05	.200	200	<.5	70	1,000	<1.0	N
HV9182RK	37 59 15	119 17 13	.5	.50	.50	.200	700	.5	N	>5,000	<1.0	N
HV9183RK	37 59 0	119 17 5	3.0	1.50	1.50	.300	700	1.0	50	700	1.5	N
HV9186RK	38 17 42	119 36 4	.5	.20	.30	.100	300	N	70	500	2.0	N
HV9187RK	38 16 57	119 36 23	2.0	.70	1.00	.500	500	N	<10	1,000	<1.0	N
HV9188RK	38 12 30	119 22 53	5.0	.15	<.05	.100	50	10.0	20	300	1.0	150
HV9189RK	38 12 42	119 23 3	.7	.50	.70	.150	500	1.5	N	1,000	1.0	N
HV9190RK	38 14 37	119 26 2	.2	<.02	<.05	.003	20	N	50	N	N	N
HV9191RK	38 6 1	119 19 55	2.0	<.02	.05	.003	50	N	10	70	N	SO
HV9192PK	38 7 3	119 18 0	.5	.50	10.00	-150	5,000	N	2,000	<1.0	N	N
HV9194RK	38 12 24	119 34 4	3.0	1.50	10.00	-300	2,000	.5	10	200	N	N
HV9195RK	38 12 49	119 22 42	3.0	1.50	2.00	.500	500	N	15	1,000	<1.0	N
HV9196RK	38 16 6	119 20 25	.2	.15	.50	.100	50	2.0	50	700	<1.0	N
WL0308RK	38 6 55	119 16 1	1.0	.10	.50	.070	500	N	300	700	7.0	N
WL0310RK	38 3 55	119 14 21	5.0	2.00	5.00	1,000	2,000	N	10	700	1.0	N
WL0590RK	38 20 39	119 23 32	1.0	.50	1.00	.150	700	N	50	1,500	3.0	N
WL0593RK	38 19 43	119 20 10	.7	.05	.20	.100	300	<.5	N	500	2.0	N
WL0594RK	38 18 46	119 20 17	5.0	1.50	3.00	.150	1,000	N	<10	1,000	1.0	N
WL0677RK	38 15 36	119 18 8	2.0	2.00	1.50	.500	1,000	N	<10	150	<1.0	N
WL0678RK	38 16 7	119 18 8	2.0	1.50	.70	.700	1,000	N	100	2,000	2.0	N
WL0680RK	38 17 14	119 18 53	1.5	.70	.500	.500	1,000	N	100	1,000	3.0	N

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SN	S-SR
HV9145RK	7	10	5	20	N	5	20	7	N	500	
HV9151RK	7	10	10	30	N	5	15	10	N	150	
HV9153RK	7	10	<20	N	N	10	20	7	N	500	
HV9156RK	7	30	15	<20	N	N	10	10	N	200	
HV9159RK	10	N	20	100	N	<5	50	5	N	1,000	
HV9163RK	N	N	<5	20	N	<5	30	<5	N	150	
HV9167RK	5	30	5	50	<5	15	30	5	O	1,000	
HV9168RK	7	N	20	50	N	<5	30	10	N	700	
HV9174RK	5	30	10	20	N	10	N	5	N	N	
HV9182RK	N	50	15	20	N	<5	50	7	N	200	
HV9183RK	10	100	70	30	N	50	70	20	N	200	
HV9186RK	N	N	<5	50	N	<20	5	20	N	300	
HV9187RK	10	50	N	50	N	N	15	20	N	1,000	
HV9188RK	N	10	150	20	N	<5	50	5	N	100	
HV9189RK	N	10	30	20	N	5	50	5	N	500	
HV9190RK	N	N	10	<20	>2,000	N	N	N	N	N	
HV9191RK	10	N	<5	<20	N	<5	10	N	N	N	
HV9192RK	N	N	<5	20	N	<5	70	<5	N	1,000	
HV9194RK	20	50	7	<20	N	20	10	20	N	100	
HV9195RK	20	N	20	50	<5	N	20	15	N	1,000	
HV9196RK	N	30	15	<20	10	N	7	10	N	N	
WL0308RK	N	N	<5	70	N	<20	<5	20	N	100	
WL0310RK	20	10	10	30	N	<20	15	20	N	2,000	
WL0590RK	N	N	5	100	N	N	70	5	N	500	
WL0593RK	N	10	<5	50	N	5	20	5	N	200	
WL0594RK	20	50	15	100	N	<20	30	15	N	1,000	
WL0677RK	10	30	7	30	N	10	10	15	N	500	
WL0678RK	10	20	20	100	N	5	70	15	N	1,000	
WL0680RK	7	50	15	100	N	15	30	10	N	500	

Table 2.--Data for rock samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-V	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
HV9145RK	100	N	15	N	70	.25	<.5	2	<10	
HV9151RK	100	N	20	N	100	.45	.25	<.5	2	N
HV9153RK	150	N	10	N	50	.40	.30	<.5	1	N
HV9156RK	100	N	20	N	70	.10	.30	<.5	2	N
HV9159RK	300	N	30	N	100	.10	.30	<.5	1	N
HV9163RK	70	N	N	N	70	15	.25	<.5	2	N
HV9167RK	100	N	10	N	100	25	.30	<.5	1	N
HV9168RK	100	N	20	N	200	55	.25	<.5	2	N
HV9174RK	100	N	<10	N	100	40	.30	<.5	2	20
HV9182RK	100	N	10	N	70	10	.25	<.5	1	20
HV9183RK	200	N	20	N	100	110	.30	<.5	1	10
HV9186RK	30	N	15	N	100	5	.30	<.5	1	<10
HV9187RK	150	N	15	N	150	20	.30	<.5	1	N
HV9188RK	100	N	50	N	70	<5	.30	280.0	4	<10
HV9189RK	100	N	N	N	100	5	.35	1.0	2	N
HV9190RK	<10	N	N	N	<10	<5	.25	<.5	5	<10
HV9191RK	50	N	N	N	50	5	.25	75.0	2	N
HV9192RK	70	N	<10	N	30	25	.40	<.5	3	N
HV9194RK	200	N	30	N	70	10	.30	<.5	1	40
HV9195RK	200	N	20	N	150	25	.35	<.5	1	N
HV9196RK	150	N	10	N	50	65	2.00	1.0	4	120
WL0308RK	<10	N	30	N	150	15	.10	<.5	2	N
WL0310RK	2,000	N	30	N	70	50	.10	<.5	2	N
WL0590RK	70	N	20	N	200	25	.05	<.5	1	N
WL0593RK	50	N	15	N	100	15	.05	N	2	N
WL0594RK	200	N	30	N	50	60	.10	.5	2	<10
WL0677RK	200	N	20	N	100	10	.10	N	2	N
WL0678RK	200	N	30	N	200	10	.05	.5	2	N
WL0680RK	100	N	20	N	200	25	.05	N	2	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California

Sample	Latitude	Longitude	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9001555	38 11 48	119 19 46	>20.0	2.00	3.0	>1.00	1,000	N	50	700	<1.0	N
HV9002555	38 9 4	119 23 47	5.0	2.00	3.0	.50	1,000	N	50	2,000	5.0	10
HV9003555	38 8 54	119 23 41	3.0	1.50	3.0	.50	1,500	N	20	2,000	5.0	N
HV9004555	38 8 40	119 23 6	1.5	.20	2.0	.50	500	N	20	1,000	7.0	N
HV9005555	38 8 39	119 22 42	5.0	.30	2.0	1.00	1,500	N	20	700	5.0	N
HV9006555	38 9 19	119 19 18	3.0	1.50	2.0	.50	1,000	N	50	1,500	2.0	N
HV9007555	38 8 53	119 21 5	3.0	1.00	2.0	.50	1,000	N	20	1,000	5.0	N
HV9008555	38 14 14	119 20 23	15.0	1.00	2.0	.70	1,500	N	20	1,000	1.5	N
HV9010555	38 9 24	119 16 44	3.0	.50	2.0	.70	1,000	N	50	1,000	5.0	N
HV9011555	38 6 25	119 16 58	2.0	.70	2.0	.30	700	N	30	1,000	3.0	N
HV9012555	38 16 14	119 32 48	10.0	2.00	5.0	1.00	1,000	N	20	1,000	2.0	N
HV9013555	38 17 14	119 32 37	5.0	1.50	2.0	.70	1,000	N	70	1,200	5.0	N
HV9014555	38 17 12	119 32 42	10.0	2.00	3.0	1.00	1,000	N	15	1,000	2.0	N
HV9015555	38 17 16	119 32 46	7.0	2.00	5.0	1.00	1,000	<.5	20	1,500	2.0	N
HV9016555	38 18 33	119 31 18	5.0	1.00	1.5	1.00	1,000	N	100	1,500	3.0	N
HV9017555	38 8 24	119 41 43	7.0	2.00	5.0	>1.00	1,500	N	50	700	2.0	N
HV9018555	38 8 26	119 41 52	5.0	1.50	3.0	.70	1,000	N	50	700	3.0	N
HV9020555	38 10 53	119 38 7	10.0	.70	2.0	.70	700	N	20	500	3.0	N
HV9021555	38 10 53	119 38 1	7.0	1.50	3.0	.70	1,500	N	30	700	3.0	N
HV9022555	38 10 48	119 38 0	7.0	1.00	2.0	.70	700	N	50	1,000	3.0	N
HV9024555	38 14 2	119 33 14	5.0	1.00	2.0	.70	1,000	N	100	1,000	3.0	N
HV9025555	38 14 5	119 33 17	20.0	1.00	2.0	1.00	700	N	50	700	2.0	N
HV9026555	38 20 33	119 31 43	5.0	1.50	3.0	1.00	1,000	N	50	2,000	2.0	N
HV9027555	38 20 48	119 31 14	5.0	1.50	3.0	.50	700	N	30	2,000	3.0	N
HV9028555	38 9 54	119 30 46	.7	.15	2.0	.50	500	N	10	700	7.0	N
HV9029555	38 9 56	119 30 39	20.0	.10	2.0	1.00	1,000	N	10	500	5.0	N
HV9030555	38 10 52	119 31 54	5.0	1.00	2.0	.50	1,000	N	100	1,000	5.0	N
HV9031555	38 10 49	119 31 48	10.0	.15	2.0	1.00	1,500	N	15	500	5.0	N
HV9033555	38 12 20	119 33 14	5.0	1.50	3.0	.50	1,500	N	100	1,000	3.0	N
HV9034555	38 14 34	119 32 47	1.5	1.00	2.0	.50	500	N	70	700	5.0	N
HV9035555	38 14 33	119 32 34	7.0	1.50	2.0	1.00	1,500	N	100	1,000	2.0	N
HV9036555	38 14 46	119 32 16	20.0	1.00	2.0	1.00	700	N	20	700	1.0	N
HV9037555	38 14 43	119 33 57	7.0	1.50	2.0	1.00	1,000	N	20	700	2.0	N
HV9038555	38 15 19	119 35 36	7.0	2.00	3.0	.70	1,000	N	20	1,000	3.0	N
HV9039555	38 15 15	119 35 40	7.0	2.00	3.0	1.00	1,000	N	20	1,000	2.0	N
HV9040555	38 15 15	119 33 59	7.0	2.00	3.0	.70	1,500	N	20	1,500	2.0	N
HV9041555	38 13 3	119 29 13	5.0	1.50	3.0	.50	1,000	N	50	1,000	3.0	N
HV9042555	38 13 3	119 29 15	5.0	1.50	3.0	.70	1,000	N	100	1,500	2.0	N
HV9043555	38 13 20	119 29 19	7.0	1.50	3.0	1.00	1,000	N	70	1,500	2.0	N
HV9044555	38 13 53	119 29 19	10.0	1.50	3.0	1.00	1,000	N	50	1,000	2.0	N
HV9045555	38 14 47	119 29 32	7.0	2.00	3.0	1.00	1,000	N	70	1,500	3.0	N
HV9046555	38 15 8	119 29 1	5.0	1.50	2.0	1.00	1,000	N	20	2,000	3.0	N
HV9047555	38 15 1	119 28 56	5.0	1.50	3.0	.50	1,000	N	50	1,000	3.0	N
HV9048555	38 15 16	119 28 8	10.0	1.50	3.0	.70	1,000	N	30	1,500	2.0	N
HV9049555	38 13 10	119 27 15	10.0	2.00	3.0	1.00	1,000	N	30	1,500	2.0	N

Table 3.--Data for stream-sediment samples from the Hoover wilderness and adjacent study areas, California

Sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-W	
HV900155	20	50	15	50	N	N	15	15	15	300	700	N	
HV900255	10	30	30	50	7	<20	20	30	10	500	300	<50	
HV900355	10	30	30	50	10	<20	7	30	10	500	200	50	
HV900455	N	10	N	100	N	20	N	20	5	1,000	70	N	
HV900555	5	20	10	100	7	30	10	30	7	500	200	<50	
HV900655	10	30	15	50	N	<20	5	30	15	300	300	N	
HV900755	7	15	10	100	10	<20	<5	20	10	500	200	N	
HV900855	15	20	30	70	N	<20	10	20	10	500	1,500	N	
HV901055	5	20	10	70	N	<20	7	30	10	500	200	N	
HV901155	10	15	7	30	5	<20	<5	20	10	500	150	<50	
HV901255	20	200	50	50	N	<20	50	30	20	700	1,000	N	
HV901355	15	50	20	50	N	<20	7	30	10	700	500	N	
HV901455	20	150	30	50	N	<20	20	20	15	700	700	N	
HV901555	20	100	50	30	N	N	50	20	15	1,000	700	N	
HV901655	10	20	20	50	N	<20	5	30	7	700	300	N	
HV901755	15	30	20	100	10	20	30	30	20	500	300	<50	
HV901855	15	20	15	30	15	<20	10	30	20	500	200	N	
HV902055	10	20	20	50	<5	<20	N	30	10	300	700	N	
HV902155	15	20	30	50	7	<20	5	30	15	300	500	N	
HV902255	15	30	15	50	N	<20	<5	30	7	500	300	N	
HV902455	10	20	20	70	N	<20	N	30	7	300	300	N	
HV902555	15	30	50	70	N	<20	5	20	7	200	1,000	N	
HV902655	20	70	30	30	N	<20	20	30	15	1,000	300	N	
HV902755	15	30	20	70	<5	<20	20	30	10	1,000	500	N	
HV902855	N	10	N	20	N	<20	5	30	<5	1,000	50	N	
HV902955	7	<10	10	50	N	20	N	30	5	500	500	N	
HV903055	10	10	7	30	15	<20	5	30	7	500	150	<50	
HV903155	10	10	7	70	N	20	N	30	5	500	500	N	
HV903355	20	30	50	30	N	<20	7	50	10	500	300	N	
HV903455	5	20	7	50	<5	<20	<5	20	7	500	100	N	
HV903555	10	20	20	50	5	<20	N	30	15	500	300	N	
HV903655	20	50	30	70	N	<20	10	20	7	200	2,000	N	
HV903755	20	15	20	50	5	<20	7	20	10	500	300	N	
HV903855	20	100	30	50	N	<20	30	20	20	1,000	500	N	
HV903955	20	50	50	30	7	N	30	30	20	500	500	N	
HV904055	20	100	30	50	30	N	50	20	15	700	500	N	
HV904155	15	30	20	30	15	N	20	30	10	700	200	N	
HV904255	15	30	20	30	10	N	20	50	10	500	200	N	
HV904355	15	30	50	30	N	N	15	50	15	300	300	N	
HV904455	20	200	50	50	N	N	50	30	15	500	500	N	
HV904555	20	70	50	50	<5	N	N	30	15	700	300	N	
HV904655	15	20	30	50	50	N	N	15	50	10	700	200	N
HV904755	15	70	20	30	50	N	N	20	10	1,000	300	N	
HV904855	15	100	30	50	50	N	N	20	10	500	500	N	
HV904955	20	50	30	50	50	N	N	20	10	500	500	N	

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California

Sample	S-Y	S-ZN	S-ZR	S-TH	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
HV9001SS	30	200	1,000	N	140	.25	<.5	2	N
HV9002SS	30	200	300	N	160	.50	5.0	2	N
HV9003SS	20	200	300	N	180	.30	2.0	2	N
HV9004SS	20	N	500	<200	35	.25	.5	1	N
HV9005SS	30	N	700	<200	60	.25	<.5	2	N
HV9006SS	30	N	500	N	70	.25	1.0	1	N
HV9007SS	30	N	500	N	40	.30	<.5	1	N
HV9008SS	30	N	1,000	N	40	.25	2.0	2	N
HV9010SS	30	N	500	N	35	.30	<.5	1	N
HV9011SS	20	N	1,000	N	180	.30	<.5	1	N
HV9012SS	30	N	1,000	N	160	.25	<.5	2	N
HV9013SS	30	N	200	1,000	150	.30	<.5	1	N
HV9014SS	30	N	200	1,000	130	.25	<.5	2	N
HV9015SS	30	N	300	300	95	.25	<.5	1	N
HV9016SS	20	N	500	500	110	.25	<.5	2	N
HV9017SS	70	N	1,000	N	35	.30	<.5	2	N
HV9018SS	50	N	500	N	50	.35	<.5	2	N
HV9020SS	30	N	1,000	N	35	.10	1.0	2	N
HV9021SS	30	N	700	N	40	.30	<.5	4	N
HV9022SS	30	N	700	<200	180	.25	<.5	2	N
HV9024SS	50	N	1,000	N	30	.25	<.5	3	N
HV9025SS	100	N	>1,000	N	45	.25	.5	3	N
HV9026SS	20	N	500	N	50	.30	<.5	2	N
HV9027SS	20	N	300	N	50	.30	<.5	3	N
HV9028SS	20	N	150	N	20	.25	<.5	1	N
HV9029SS	30	N	1,000	N	35	.20	<.5	2	N
HV9030SS	20	N	700	<200	50	.30	<.5	1	N
HV9031SS	30	N	1,000	N	30	.15	1.0	2	N
HV9033SS	50	N	200	N	120	.60	<.5	2	N
HV9034SS	20	N	500	N	40	.25	<.5	2	N
HV9035SS	30	N	1,000	N	50	.25	<.5	3	N
HV9036SS	100	N	>1,000	N	45	.25	<.5	5	N
HV9037SS	30	N	1,000	N	80	.30	<.5	1	N
HV9038SS	30	N	300	N	60	.25	<.5	2	N
HV9039SS	20	N	<200	N	70	.30	.5	1	N
HV9040SS	20	N	<200	N	75	.30	<.5	2	N
HV9041SS	20	N	200	N	50	.25	<.5	1	N
HV9042SS	20	N	300	N	60	.35	<.5	1	N
HV9043SS	30	N	1,000	N	85	.35	<.5	3	N
HV9044SS	20	N	<200	N	75	.30	1.0	10	N
HV9045SS	30	N	500	N	90	.30	<.5	2	N
HV9046SS	20	N	<200	N	500	.30	<.5	1	N
HV9047SS	20	N	N	N	85	.30	<.5	3	N
HV9048SS	30	N	300	N	55	.25	<.5	2	N
HV9049SS	30	N	1,000	N	80	.25	<.5	2	N
	<200	N	500	N	50	.35	<.5	2	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9050SS	38 14 47	119 26 11	5.0	1.50	3.0	.70	1,000	N	50	1,500	3.0	N
HV9051SS	38 16 25	119 25 39	5.0	1.50	3.0	.50	1,000	N	30	1,500	3.0	N
HV9052SS	38 16 27	119 25 33	7.0	1.50	3.0	1.00	1,000	N	50	1,500	3.0	N
HV9053SS	38 16 50	119 22 36	7.0	1.00	3.0	1.00	1,000	N	50	2,000	3.0	N
HV9054SS	38 7 29	119 26 35	10.0	.20	2.0	.70	1,500	N	20	500	5.0	N
HV9055SS	38 7 37	119 26 42	2.0	.50	2.0	.50	1,000	N	20	700	7.0	N
HV9056SS	38 8 37	119 26 8	1.0	.20	3.0	.50	1,000	N	20	700	5.0	N
HV9057SS	38 8 40	119 26 7	2.0	.15	2.0	.50	1,000	N	10	700	5.0	N
HV9058SS	38 7 29	119 26 39	2.0	.30	3.0	.50	1,000	N	20	500	5.0	N
HV9059SS	38 11 5	119 27 1	10.0	1.50	3.0	.70	1,500	N	20	1,000	1.5	N
HV9060SS	38 11 2	119 27 2	2.0	.15	2.0	.50	700	N	10	300	7.0	N
HV9061SS	38 11 16	119 26 24	5.0	1.50	3.0	.50	1,000	N	50	1,000	5.0	N
HV9062SS	38 11 12	119 26 26	3.0	1.50	2.0	.30	1,000	N	30	1,000	5.0	N
HV9063SS	38 11 29	119 25 58	7.0	1.50	3.0	.70	1,500	N	20	1,000	1.5	N
HV9064SS	38 10 33	119 29 32	5.0	.30	2.0	.50	1,000	N	10	700	5.0	N
HV9065SS	38 10 36	119 29 30	15.0	.20	1.5	.70	1,000	N	10	200	2.0	N
HV9067SS	38 9 53	119 28 32	10.0	.10	2.0	.70	1,000	N	15	200	5.0	N
HV9068SS	38 9 53	119 28 25	5.0	.05	2.0	.70	1,000	N	10	300	3.0	N
HV9069SS	38 10 23	119 28 19	3.0	.20	2.0	.50	500	N	10	500	5.0	N
HV9070SS	38 10 33	119 27 29	5.0	.10	2.0	.50	700	N	70	500	7.0	N
HV9071SS	38 9 55	119 24 26	5.0	.00	3.0	.50	1,500	N	50	2,000	5.0	N
HV9072SS	38 10 0	119 24 20	3.0	.00	3.0	.50	1,000	N	50	1,000	5.0	N
HV9073SS	38 10 49	119 22 55	2.0	1.50	2.0	.50	700	N	10	700	5.0	N
HV9074SS	38 10 52	119 22 56	5.0	1.50	2.0	.50	1,000	N	30	1,500	5.0	N
HV9075SS	38 12 19	119 21 57	5.0	1.50	3.0	.50	1,000	<.5	50	1,500	5.0	N
HV9076SS	38 12 52	119 21 31	7.0	1.50	2.0	.50	1,000	N	30	700	2.0	N
HV9077SS	38 12 56	119 21 12	5.0	1.00	2.0	.50	1,500	N	20	700	3.0	N
HV9078SS	38 8 32	119 25 13	3.0	.20	1.0	.30	1,000	N	10	500	3.0	N
HV9079SS	38 8 39	119 25 16	1.5	.15	2.0	.50	1,000	N	10	500	7.0	N
HV9080SS	38 8 8	119 23 28	3.0	.15	2.0	.50	500	N	10	500	7.0	N
HV9081SS	38 8 12	119 23 26	1.5	.20	2.0	.70	500	N	15	500	5.0	N
HV9082SS	38 6 43	119 22 27	3.0	.50	2.0	.70	700	N	30	500	3.0	N
HV9084SS	38 6 28	119 20 43	5.0	1.00	2.0	.50	1,500	N	50	1,500	3.0	N
HV9085SS	38 7 24	119 18 59	5.0	1.50	2.0	.50	1,500	N	50	1,000	3.0	N
HV9087SS	38 16 59	119 36 27	3.0	1.50	1.0	.70	700	N	20	1,000	1.5	N
HV9088SS	38 17 12	119 36 11	3.0	1.50	1.0	.70	700	N	70	1,000	1.5	N
HV9090SS	38 17 42	119 36 9	3.0	1.00	1.0	.50	700	N	50	1,000	2.0	N
HV9091SS	38 18 31	119 35 27	2.0	1.00	1.5	.50	500	N	20	1,000	2.0	N
HV9092SS	38 18 24	119 35 25	3.0	1.00	1.0	.70	700	N	30	700	2.0	N
HV9093SS	38 20 9	119 28 53	2.0	.70	.7	.50	700	N	20	1,000	2.0	N
HV9094SS	38 20 6	119 27 1	5.0	.50	.7	.70	700	N	20	1,000	2.0	N
HV9095SS	38 20 3	119 25 39	1.0	.70	.50	.50	700	N	30	700	2.0	N
HV9096SS	38 13 39	119 24 7	5.0	1.0	.50	.50	700	N	20	1,000	1.5	N
HV9097SS	38 13 50	119 23 42	5.0	1.0	.50	.50	700	N	10	1,000	1.0	N
HV9098SS	38 13 54	119 23 38	5.0	1.50	.70	.70	700	N	20	1,000	1.0	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-W
HV9050SS	10	30	15	50	10	N	20	30	15	700	300	N
HV9051SS	10	30	10	50	<5	N	<5	30	10	700	200	N
HV9052SS	20	100	100	70	N	<20	30	50	15	500	300	N
HV9053SS	20	300	100	100	7	N	70	30	15	700	500	N
HV9054SS	7	10	7	100	N	20	<5	30	5	500	200	N
HV9055SS	<5	10	5	50	N	<20	5	50	5	1,000	0	<50
HV9056SS	<5	<10	<5	30	N	<20	<5	20	5	700	50	N
HV9057SS	N	<10	<5	30	15	20	<5	30	5	<1,000	70	<50
HV9058SS	5	10	5	50	5	20	<5	50	7	700	150	N
HV9059SS	20	100	30	30	N	50	50	30	10	700	700	N
HV9060SS	N	<10	<5	50	N	<20	<5	30	5	700	100	N
HV9061SS	15	30	50	10	<20	15	50	15	1,000	300	<50	N
HV9062SS	10	20	15	50	10	N	10	30	10	500	200	N
HV9063SS	20	30	70	30	10	N	30	20	15	500	500	N
HV9064SS	N	<10	<5	50	10	<20	5	50	5	1,000	150	N
HV9065SS	10	20	20	50	N	<20	N	20	5	500	500	N
HV9067SS	10	10	<5	70	5	<20	5	30	5	500	300	N
HV9068SS	<5	10	5	30	<5	20	5	30	5	700	200	N
HV9069SS	N	10	5	50	N	<5	30	5	5	700	150	N
HV9070SS	N	<10	<5	50	7	N	5	30	5	1,000	100	<50
HV9071SS	20	100	50	50	7	N	50	50	15	700	300	N
HV9072SS	15	30	30	50	10	N	15	50	15	700	300	N
HV9073SS	10	50	20	30	10	N	20	20	10	500	200	<50
HV9074SS	15	50	50	50	5	<20	20	30	20	700	300	N
HV9075SS	15	50	50	50	N	15	30	15	15	500	300	N
HV9076SS	15	50	20	100	N	<20	20	30	10	300	700	N
HV9077SS	10	<10	5	30	N	<20	N	20	15	300	200	N
HV9078SS	N	<10	<5	50	N	<5	30	5	30	500	100	N
HV9079SS	<5	<10	5	30	10	<20	10	30	5	700	50	<50
HV9080SS	N	<10	<5	50	N	<20	<5	30	5	700	100	N
HV9081SS	N	<10	<5	70	7	<20	<5	30	7	500	70	N
HV9082SS	N	<10	<5	100	N	<20	N	30	5	700	100	N
HV9084SS	15	10	50	50	<5	<20	<5	30	10	300	200	N
HV9085SS	15	20	30	30	<5	N	10	30	15	300	300	N
HV9087SS	15	100	20	50	N	N	30	30	20	700	300	N
HV9088SS	20	100	200	50	20	N	N	20	30	15	700	300
HV9090SS	20	150	20	30	20	N	N	30	15	700	200	N
HV9091SS	15	150	20	20	N	N	30	30	15	1,000	500	N
HV9092SS	20	150	20	20	N	N	20	50	15	500	300	N
HV9093SS	7	20	20	50	N	N	7	30	15	700	150	N
HV9094SS	10	50	15	50	N	<20	10	30	10	500	300	N
HV9095SS	10	50	15	<20	N	N	15	30	10	700	150	N
HV9096SS	10	50	15	<20	N	N	10	50	10	500	200	N
HV9097SS	15	20	20	30	N	N	20	30	10	700	300	N
HV9098SS	20	300	50	50	N	N	15	30	10	700	300	N

Sample	S-Y	S-ZN	S-LR	S-TH	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
HV9050SS	20	N	500	N	.25	<.5	4	N	
HV9051SS	20	N	700	40	.25	<.5	2	<10	
HV9052SS	30	N	700	70	.30	<.5	1	N	
HV9053SS	30	<200	500	90	.30	<.5	2	N	
HV9054SS	30	N	700	40	.25	<.5	2	<10	
HV9055SS	20	N	200	60	.25	<.5	2	N	
HV9056SS	20	N	200	45	N	<.5	2	N	
HV9057SS	20	N	200	30	.25	<.5	2	N	
HV9058SS	20	N	500	45	.25	<.5	1	N	
HV9059SS	20	N	700	70	.25	1.0	3	<10	
HV9060SS	20	N	300	20	.30	<.5	2	N	
HV9061SS	30	N	200	45	.30	<.5	2	<10	
HV9062SS	20	N	200	55	.30	1.0	2	N	
HV9063SS	20	<200	500	65	.30	1.0	3	N	
HV9064SS	20	N	200	40	.20	<.5	1	N	
HV9065SS	30	<200	1,000	50	.20	1.0	2	N	
HV9066SS	30	N	700	30	.20	<.5	4	N	
HV9067SS	20	N	700	25	.25	<.5	2	N	
HV9068SS	20	N	500	35	.20	<.5	2	N	
HV9069SS	20	N	200	35	.20	<.5	2	N	
HV9070SS	15	N	200	20	<.5	2	N		
HV9071SS	20	N	200	80	.35	1.0	2	20	
HV9072SS	20	<200	300	75	.35	3.0	2	<10	
HV9073SS	20	N	200	45	.20	1.0	2	N	
HV9074SS	30	<200	200	80	.35	1.0	<1	N	
HV9075SS	50	<200	500	80	.70	2.0	1	80	
HV9076SS	50	N	>1,000	40	N	<.5	2	N	
HV9077SS	30	N	1,000	40	.20	<.5	2	N	
HV9078SS	15	N	200	25	.25	<.5	2	N	
HV9079SS	20	N	300	40	<.5	<1	N		
HV9080SS	20	N	200	25	.25	<.5	1	N	
HV9081SS	20	N	200	30	.35	<.5	2	N	
HV9082SS	20	N	500	40	.25	<.5	2	N	
HV9083SS	20	N	200	50	.35	4.0	2	<10	
HV9084SS	20	N	200	65	.30	1.0	2	N	
HV9085SS	20	<200	150	60	.30	<.5	2	N	
HV9086SS	20	<200	150	75	.25	<.5	3	N	
HV9087SS	20	<200	100	75	.25	<.5	2	N	
HV9091SS	15	<200	100	60	<.5	<.5	2	N	
HV9092SS	20	<200	150	80	.25	<.5	3	N	
HV9093SS	20	N	150	70	.20	<.5	2	N	
HV9094SS	20	<200	200	150	.20	<.5	2	N	
HV9095SS	20	N	100	100	.20	<.5	2	N	
HV9096SS	20	<200	200	50	<.5	<.5	5	N	
HV9097SS	20	N	500	60	.25	<.5	3	N	
HV9098SS	30	N	200	65	.25	<.5	3	N	

Table 3.—Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California—continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9100SS	38 17 48	119 27 0	7.0	1.50	3.0	1.00	700	N	50	1,000	3.0	N
HV9101SS	38 17 32	119 28 32	7.0	1.50	1.5	.70	1,000	N	150	2,000	5.0	N
HV9102SS	38 17 27	119 28 30	5.0	1.50	2.0	1.00	1,000	N	150	2,000	3.0	N
HV9103SS	38 17 39	119 26 28	5.0	1.00	2.0	.70	1,000	N	50	1,000	3.0	N
HV9104SS	38 17 24	119 26 1	10.0	1.50	2.0	1.00	1,000	N	30	1,000	3.0	N
HV9105SS	38 18 1	119 28 23	3.0	1.00	.5	1.00	1,000	N	200	2,000	5.0	N
HV9106SS	38 18 52	119 28 1	5.0	1.50	1.0	1.00	700	N	30	2,000	3.0	N
HV9107SS	38 19 13	119 28 15	3.0	1.00	1.0	.70	1,000	N	20	1,500	3.0	N
HV9108SS	37 57 36	119 16 46	2.0	1.00	2.0	.50	700	N	100	1,000	5.0	N
HV9109SS	37 57 11	119 15 34	2.0	1.50	.7	.20	1,000	N	200	1,500	3.0	N
HV9111SS	37 58 55	119 17 26	3.0	1.00	.7	.30	1,500	<.5	150	1,000	5.0	N
HV9112SS	37 58 41	119 17 39	2.0	1.00	2.0	.50	700	N	50	500	5.0	N
HV9114SS	38 15 4	119 32 5	7.0	2.00	3.0	1.00	1,000	N	30	1,000	2.0	N
HV9115SS	38 15 27	119 31 57	2.0	1.00	3.0	.70	700	N	100	700	3.0	N
HV9116SS	38 15 27	119 31 52	5.0	1.50	2.0	.70	700	N	50	1,000	3.0	N
HV9117SS	38 15 36	119 31 49	5.0	1.50	2.0	1.00	700	N	30	1,500	3.0	N
HV9118SS	38 15 51	119 31 43	5.0	1.50	2.0	1.00	1,000	N	30	1,500	3.0	N
HV9119SS	38 15 55	119 31 38	7.0	1.50	2.0	1.00	700	N	50	1,500	3.0	N
HV9120SS	38 10 38	119 33 52	5.0	1.50	2.0	1.00	1,000	N	150	700	3.0	N
HV9121SS	38 11 38	119 34 14	5.0	2.00	3.0	1.00	1,500	N	200	1,000	3.0	N
HV9122SS	38 11 40	119 34 22	5.0	1.50	2.0	.50	1,500	N	150	700	3.0	N
HV9123SS	38 12 20	119 35 49	10.0	.70	1.5	.50	700	N	50	700	3.0	N
HV9124SS	38 12 12	119 35 49	5.0	1.50	3.0	1.00	1,000	N	200	700	3.0	N
HV9125SS	38 13 16	119 36 10	5.0	2.00	3.0	1.00	1,000	N	50	1,500	3.0	N
HV9126SS	38 13 23	119 36 13	7.0	2.00	3.0	1.00	1,000	N	20	1,000	2.0	N
HV9127SS	38 12 12	119 34 30	2.0	1.00	2.0	.50	700	N	200	1,000	2.0	N
HV9128SS	38 14 23	119 34 32	5.0	2.00	5.0	1.00	1,000	N	50	1,000	3.0	N
HV9129SS	38 14 48	119 34 15	7.0	2.00	5.0	1.00	1,000	N	20	1,000	1.5	N
HV9130SS	38 14 40	119 34 18	15.0	2.00	3.0	1.00	1,000	N	30	1,000	2.0	N
HV9131SS	38 14 16	119 34 35	5.0	3.00	5.0	1.00	1,000	N	50	1,500	3.0	N
HV9132SS	38 10 3	119 32 11	2.0	.50	2.0	.50	500	N	20	1,000	5.0	N
HV9133SS	38 10 1	119 32 7	2.0	.30	2.0	.70	1,000	N	50	700	5.0	N
HV9134SS	38 9 33	119 31 22	2.0	.20	2.0	.50	500	N	50	700	3.0	N
HV9135SS	38 13 35	119 34 26	5.0	1.50	2.0	1.00	.50	N	50	700	3.0	N
HV9137SS	38 16 10	119 20 28	1.0	1.00	1.0	.50	500	<.5	20	700	2.0	N
HV9138SS	38 16 6	119 20 25	2.0	.70	1.5	.50	700	N	30	1,000	2.0	N
HV9139SS	38 0 46	119 16 57	2.0	1.00	.7	.30	1,000	N	50	700	1.5	N
HV9140SS	38 0 47	119 16 55	5.0	1.00	.2	.30	1,000	N	70	700	3.0	N
HV9141SS	38 1 13	119 16 18	2.0	1.00	.7	.30	700	N	30	1,000	1.5	N
HV9142SS	38 1 4	119 16 17	3.0	1.00	1.0	.50	1,000	N	100	1,000	1.5	N
HV9143SS	38 2 56	119 18 25	2.0	.50	.5	.50	1,000	N	30	1,000	1.5	N
HV9144SS	38 3 2	119 18 29	5.0	.50	.5	.30	1,000	N	30	1,000	1.5	N
HV9145SS	38 4 41	119 17 21	2.0	.50	1.0	.20	700	N	10	700	2.0	N
HV9146SS	38 4 42	119 17 28	2.0	1.00	1.0	.50	2,000	N	10	700	1.5	N
HV9147SS	38 1 27	119 14 32	1.5	.70	1.0	.20	700	N	30	1,000	1.5	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-W
HV9100SS	20	50	20	30	N	<20	30	20	10	1,000	500	N
HV9101SS	15	30	30	70	N	<20	7	30	10	700	500	N
HV9102SS	10	20	30	50	7	<20	10	30	10	1,000	300	N
HV9103SS	15	30	20	50	<5	<20	7	20	10	500	300	N
HV9104SS	30	100	30	50	N	<20	20	30	20	700	700	N
HV9105SS												
HV9106SS	20	15	20	70	10	<20	10	50	10	500	200	N
HV9107SS	15	30	30	50	N	<20	20	30	10	500	500	N
HV9108SS	10	10	7	50	5	<20	<5	30	5	300	100	N
HV9109SS	5	20	30	50	10	<20	20	50	5	300	300	N
HV9111SS												
HV9112SS	15	10	20	50	5	<20	5	70	7	150	150	N
HV9114SS	5	<10	7	50	7	<20	20	N	50	500	100	<50
HV9115SS	20	100	20	50	7	<20	20	20	20	700	700	N
HV9116SS	5	20	7	50	5	<20	N	20	10	500	200	N
HV9117SS	10	50	20	50	N	<20	<5	20	10	500	300	N
HV9118SS	20	50	30	50	N	<20	20	20	10	500	300	N
HV9119SS	20	100	50	50	N	<20	50	30	10	700	700	N
HV9120SS	20	50	20	30	15	<20	20	30	20	500	200	N
HV9121SS	20	20	30	50	10	<20	10	30	20	300	200	N
HV9122SS	15	20	30	50	20	<20	5	30	15	300	200	N
HV9123SS	15	20	7	50	N	<20	<5	30	7	500	700	N
HV9124SS	15	20	20	50	10	<20	<5	20	15	500	300	N
HV9125SS	20	100	50	50	N	<20	30	30	15	750	700	N
HV9126SS	20	300	50	30	N	<20	70	20	15	1,000	1,000	N
HV9127SS	7	10	7	50	5	<20	<5	20	15	500	100	N
HV9128SS	30	200	50	30	N	<20	30	20	15	1,000	500	N
HV9129SS	20	100	50	50	N	<20	20	20	20	700	1,000	N
HV9130SS	20	100	30	50	N	<20	30	20	15	500	700	N
HV9131SS	20	200	50	50	N	<20	50	30	20	700	500	N
HV9132SS	5	10	10	50	10	<20	5	20	5	700	1,500	N
HV9133SS	5	10	5	70	15	<20	<5	50	5	750	100	<50
HV9134SS	20	<5	70	<5	20	<20	10	30	5	1,000	100	N
HV9135SS	20	50	20	50	7	<20	20	30	10	500	500	<50
HV9137SS	7	50	10	<20	N	15	30	10	1,000	1,000	N	
HV9138SS	10	70	20	100	N	N	20	50	15	700	150	N
HV9139SS	10	50	70	30	5	N	20	70	10	100	300	N
HV9140SS	20	70	200	50	20	N	50	50	10	<100	300	N
HV9141SS	7	50	20	50	<5	N	10	50	10	200	150	N
HV9142SS	15	30	100	50	10	N	15	70	15	200	300	N
HV9143SS	7	10	20	50	N	N	20	70	10	200	150	N
HV9144SS	10	15	15	50	N	N	5	30	10	200	150	N
HV9145SS	7	30	<5	15	5	N	5	50	10	500	150	N
HV9146SS	10	20	30	15	5	N	10	50	15	200	150	N
HV9147SS	5	<10	5	50	5	N	5	50	10	200	150	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-Y	S-ZN	S-ZR	S-TH	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
HV9100SS	20	N	700	50	.25	<.5	3	20	
HV9101SS	20	N	500	85	.30	<.5	3	N	
HV9102SS	20	N	500	75	.20	<.5	2	N	
HV9103SS	20	N	1,000	40	.20	<.5	3	N	
HV9104SS	30	<200	1,000	60	.25	<.5	2	N	
HV9105SS	20	N	500	85	.35	.5	1	<10	
HV9106SS	20	N	500	70	.25	<.5	3	N	
HV9107SS	20	N	500	65	.25	<.5	3	N	
HV9108SS	20	N	500	35	.25	<.5	1	N	
HV9109SS	30	N	300	170	1.50	.5	1	10	
HV9111SS	20	N	150	55	.10	<.5	2	10	
HV9112SS	30	N	1,000	35	.15	<.5	1	N	
HV9114SS	50	N	1,000	45	.15	<.5	3	N	
HV9115SS	30	N	700	35	.20	<.5	3	N	
HV9116SS	30	N	1,000	45	.10	<.5	3	N	
HV9117SS	30	N	700	75	.20	<.5	3	N	
HV9118SS	20	N	700	85	.25	<.5	3	20	
HV9119SS	30	<200	500	100	.25	<.5	2	N	
HV9120SS	30	N	1,000	50	.35	.5	1	<10	
HV9121SS	50	N	>1,000	80	.40	.5	2	N	
HV9122SS	50	N	1,000	55	.45	1.0	2	40	
HV9123SS	30	N	1,000	35	.20	<.5	2	N	
HV9124SS	30	N	700	45	.25	<.5	3	<10	
HV9125SS	20	N	500	75	.30	<.5	2	N	
HV9126SS	20	N	500	70	.15	<.5	2	N	
HV9127SS	30	N	1,000	25	.25	<.5	2	N	
HV9128SS	20	N	300	55	.20	<.5	2	N	
HV9129SS	20	<200	500	70	.25	<.5	2	N	
HV9130SS	30	N	1,000	35	.30	<.5	1	N	
HV9131SS	20	N	300	50	.25	<.5	2	<10	
HV9132SS	20	N	500	30	.30	<.5	1	N	
HV9133SS	30	N	700	110	.35	1.0	1	20	
HV9134SS	20	N	300	25	.30	<.5	1	N	
HV9135SS	30	N	700	50	N	1.0	1	N	
HV9137SS	20	N	150	30	.20	<.5	2	N	
HV9138SS	20	N	200	50	.25	.5	2	N	
HV9139SS	20	N	200	150	<.05	.5	2	<.5	
HV9140SS	50	N	300	200	<.05	.5	5	N	
HV9141SS	20	N	100	55	.50	<.5	1	<10	
HV9142SS	30	<200	150	140	<.05	.5	4	100	
HV9143SS	30	N	100	40	.20	<.5	1	<10	
HV9144SS	30	<200	100	70	.30	<.5	2	N	
HV9145SS	20	N	70	50	.40	<.5	1	60	
HV9146SS	20	N	150	75	N	10	1	10	
HV9147SS	20	N	200	35	<.5	2	2	<10	

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	Latitude	Longitude	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
HV9148SS	38 1 29	119 14 34	2.0	.50	.5	.20	1,000	5.0	.50	1,000	1.5	N
HV9149SS	38 1 49	119 13 2	2.0	.50	.7	.20	700	<.5	30	1,000	1.5	N
HV9150SS	38 4 48	119 19 17	3.0	1.00	1.0	.50	1,000	<.5	10	1,000	1.0	N
HV9151SS	38 4 40	119 19 14	2.0	.50	.5	.50	1,500	.5	30	1,000	2.0	N
HV9152SS	38 5 17	119 18 40	1.5	.50	.7	.30	1,000	.5	20	1,000	1.5	N
HV9153SS	38 5 52	119 17 23	2.0	.50	1.0	.50	1,000	N	10	700	1.5	N
HV9154SS	37 57 15	119 13 30	7.0	1.50	1.5	1.00	1,000	N	20	500	1.0	N
HV9155SS	37 57 13	119 13 36	1.0	.70	.7	.30	700	.5	30	700	2.0	N
HV9156SS	37 57 46	119 14 13	1.5	1.00	.5	.15	700	.5	70	1,000	1.5	N
HV9157SS	37 57 46	119 14 7	1.0	.70	.5	.30	500	.5	50	700	2.0	N
HV9158SS	37 57 36	119 14 9	1.5	1.00	.5	.20	700	.5	50	700	1.0	N
HV9159SS	38 3 7	119 16 21	1.5	.50	1.0	.50	1,000	<.5	50	700	2.0	N
HV9160SS	38 3 1	119 16 20	3.0	.50	.7	.50	1,500	.5	50	1,000	2.0	N
HV9163SS	38 11 7	119 39 15	2.0	1.00	1.5	.50	700	N	20	300	1.0	N
HV9164SS	38 11 10	119 39 19	3.0	1.00	1.0	.70	700	N	50	500	1.5	N
HV9165SS	38 18 33	119 23 30	2.0	1.00	1.5	.50	700	N	50	700	1.0	N
HV9166SS	38 18 32	119 23 47	2.0	.70	1.0	.50	700	N	20	700	1.5	N
HV9167SS	38 18 35	119 21 25	3.0	1.00	2.0	.50	700	N	20	1,000	1.0	N
HV9168SS	38 18 31	119 21 20	2.0	1.50	1.5	.70	1,000	N	20	1,500	2.0	N
HV9169SS	38 18 3	119 21 52	2.0	1.00	1.5	.50	700	N	30	1,000	1.0	N
HV9170SS	38 13 12	119 24 18	5.0	1.00	1.5	.50	700	N	20	700	1.0	N
HV9171SS	38 13 25	119 23 58	3.0	1.00	1.5	.50	1,000	N	50	700	1.5	N
HV9172SS	38 9 10	119 20 30	3.0	.70	1.0	.50	1,000	.5	<10	1,000	2.0	N
HV9173SS	38 8 43	119 22 0	5.0	.70	1.0	.70	2,000	N	50	1,000	1.0	N
HV9174SS	37 56 24	119 15 6	1.5	.50	.7	.30	1,000	N	100	1,500	2.0	N
HV9175SS	38 9 13	119 16 30	1.5	.30	1.0	.30	1,000	.5	20	700	2.0	N
HV9176SS	38 6 42	119 22 19	.5	.30	.10	.20	300	N	300	300	1.5	N
HV9177SS	38 8 37	119 27 38	3.0	.50	.7	.70	1,500	N	<10	200	1.0	N
HV9178SS	38 10 57	119 40 44	3.0	.50	1.5	.50	500	N	10	300	1.0	N
HV9179SS	38 10 50	119 40 41	7.0	.70	1.0	.70	500	N	10	500	1.0	N
HV9180SS	38 13 33	119 34 40	2.0	1.50	1.5	.50	700	<.5	20	700	<1.0	N
HV9181SS	38 13 1	119 32 56	5.0	.30	1.0	.50	1,000	N	20	700	1.0	N
HV9182SS	37 59 0	119 17 5	2.0	1.00	.5	.30	1,000	.7	50	700	2.0	N
HV9184SS	38 10 50	119 31 42	10.0	.15	.5	.30	1,000	N	<10	200	<1.0	N
HV9185SS	38 9 32	119 39 41	5.0	1.00	1.0	.70	500	N	10	500	1.0	N
HV9186SS	38 17 42	119 36 4	3.0	1.50	1.5	.70	1,000	N	20	700	1.0	N
HV9187SS	38 16 57	119 36 23	5.0	1.50	1.5	.50	700	N	20	700	<1.0	N
HV9196SS	38 16 6	119 20 25	3.0	1.50	1.5	.50	1,500	.7	70	1,000	1.5	N
WL0308SS	38 6 55	119 16 1	2.0	1.00	2.0	.30	700	N	10	1,000	3.0	N
WL0309SS	38 6 26	119 14 59	5.0	1.00	2.0	.30	1,000	N	50	1,500	5.0	N
WL0590SS	38 20 39	119 23 32	10.0	1.50	2.0	1.00	1,000	N	30	1,000	1.5	N
WL0593SS	38 19 43	119 20 10	3.0	.50	.7	.50	3,000	N	20	700	2.0	N
WL0594SS	38 18 46	119 20 17	2.0	1.00	2.0	.50	1,000	N	30	1,500	1.5	N
WL0677SS	38 15 36	119 18 8	3.0	1.00	1.0	.50	700	N	30	700	1.0	N
WL0678SS	38 16 7	119 18 8	2.0	.70	1.0	.70	700	N	10	1,000	1.5	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-W
HV9148SS	7	20	20	30	7	N	10	500	10	200	150	
HV9149SS	<5	30	15	30	<5	N	20	30	7	200	200	
HV9150SS	10	10	10	30	<5	<20	<5	70	15	200	150	
HV9151SS	30	15	20	70	10	N	5	100	10	200	300	
HV9152SS	10	10	15	50	5	N	5	50	15	200	150	
HV9153SS	10	30	15	30	7	N	10	30	20	500	200	
HV9154SS	15	500	10	30	N	50	50	30	150	500	150	
HV9155SS	5	30	20	50	5	N	30	30	10	200	200	
HV9156SS	7	30	15	100	5	N	20	30	7	100	200	
HV9157SS	N	30	15	50	5	N	30	50	7	100	200	
HV9158SS	10	100	30	50	10	N	50	30	10	200	200	
HV9159SS	5	20	10	50	5	N	7	50	15	200	200	
HV9160SS	10	20	20	50	N	N	10	50	15	300	300	
HV9163SS	7	20	5	50	10	N	<5	50	15	500	150	
HV9164SS	10	50	7	50	N	N	20	50	10	700	150	
HV9165SS	15	100	20	30	N	N	20	30	15	500	300	
HV9166SS	10	30	20	30	<20	N	15	20	10	500	150	
HV9167SS	10	100	10	50	N	N	30	50	10	1,000	200	
HV9168SS	10	50	10	30	<20	N	20	30	15	1,000	150	
HV9169SS	20	200	50	50	N	N	30	30	15	500	200	
HV9170SS	10	30	7	30	N	<20	7	50	10	500	200	
HV9171SS	15	30	50	30	N	N	20	50	15	700	200	
HV9172SS	20	20	30	50	N	N	10	50	10	300	150	
HV9173SS	7	10	7	30	30	N	5	30	10	500	200	
HV9174SS	7	15	10	50	5	N	10	50	7	300	150	
HV9175SS	<5	20	10	50	N	N	10	50	10	500	150	
HV9176SS	N	<10	7	50	N	N	20	N	5	500	50	
HV9177SS	<5	<10	10	50	N	N	20	N	7	500	150	
HV9178SS	5	<10	7	50	<5	N	N	50	7	500	150	
HV9179SS	10	20	20	70	N	<20	15	50	10	500	200	
HV9180SS	10	100	20	50	N	N	50	50	15	700	150	
HV9181SS	7	20	10	30	N	<20	N	20	15	300	200	
HV9183SS	10	50	100	50	<5	N	20	100	15	100	200	
HV9184SS	7	10	15	30	N	N	50	N	<5	200	300	
HV9185SS	10	20	10	100	7	<20	5	50	15	500	200	
HV9186SS	15	50	20	30	N	N	30	30	15	700	200	
HV9187SS	15	70	20	50	N	N	30	20	20	500	200	
HV9196SS	20	20	50	70	5	N	15	20	10	200	300	
WL0308SS	10	20	15	30	15	N	<20	<5	20	500	150	
WL0309SS	7	20	10	50	N	N	15	N	10	300	200	
WL0590SS	30	70	30	50	N	N	30	30	15	500	1,000	
WL0593SS	10	50	7	50	N	<20	7	50	10	200	150	
WL0594SS	15	100	20	50	N	N	30	30	15	700	200	
WL0677SS	15	70	20	30	N	N	20	30	15	500	200	
WL0678SS	7	70	15	50	N	N	20	30	10	500	200	

Table 5.-Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-Y	S-ZN	S-ZR	S-TH	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CM-AS
Hv9148SS	20	<200!	100	N	130	2.00	1.0	4	160
Hv9149SS	30	N	100	N	90	1.50	<.5	2	N
Hv9150SS	20	N	70	N	65	.45	<.5	2	<10
Hv9151SS	30	N	70	N	65	.35	<.5	1	10
Hv9152SS	20	N	100	N	50	.30	<.5	2	10
Hv9153SS	30	<200	100	N	50	.20	<.5	1	N
Hv9154SS	30	<200	500	N	45	.35	<.5	1	N
Hv9155SS	20	<200	120	N	80	.70	<.5	2	10
Hv9156SS	20	200	100	N	150	2.00	<.5	3	10
Hv9157SS	30	<200	100	N	95	.90	<.5	2	N
Hv9158SS	30	<200	100	N	120	.10	<.5	2	10
Hv9159SS	30	N	100	N	45	.30	<.5	1	<10
Hv9160SS	30	N	100	N	65	.35	<.5	3	N
Hv9163SS	20	N	200	N	25	.30	<.5	1	N
Hv9164SS	20	N	100	N	50	.25	<.5	1	N
Hv9165SS	15	N	100	N	35	.30	<.5	2	N
Hv9166SS	10	N	100	N	45	.35	<.5	1	N
Hv9167SS	15	N	100	N	40	.30	<.5	2	N
Hv9168SS	20	N	100	N	40	.25	<.5	2	N
Hv9169SS	20	N	200	N	55	.35	<.5	2	N
Hv9170SS	20	N	200	N	45	.30	<.5	3	N
Hv9171SS	20	N	100	N	60	.40	1.0	2	N
Hv9172SS	20	N	70	N	100	.60	*.5	2	<10
Hv9173SS	30	N	100	N	45	.25	<.5	2	20
Hv9174SS	20	N	70	N	75	.45	<.5	2	10
Hv9175SS	20	N	100	N	40	.35	*.5	1	N
Hv9176SS	10	N	50	N	30	.55	<.5	1	N
Hv9177SS	30	N	200	N	30	.30	<.5	2	N
Hv9178SS	20	N	200	N	30	.30	<.5	1	N
Hv9179SS	30	N	150	N	45	.30	1.0	2	N
Hv9180SS	20	N	100	N	45	.30	<.5	2	N
Hv9181SS	30	N	700	N	30	.25	*.5	2	N
Hv9183SS	30	200	100	N	120	.85	1.0	2	80
Hv9184SS	15	<200	200	N	45	.30	<.5	1	N
Hv9185SS	70	N	200	N	35	.30	3.0	3	N
Hv9186SS	20	<200	150	N	60	.30	<.5	2	<10
Hv9187SS	20	<200	100	N	70	.30	<.5	2	N
Hv9196SS	30	200	70	N	160	.90	*.5	2	120
WL0308SS	20	N	200	N	40	.10	*.5	2	N
WL0309SS	20	N	1,000	N	25	.05	N	2	N
WL0590SS	20	200	700	N	65	.05	N	2	N
WL0593SS	50	N	<200	N	55	<.5	2.0	5	N
WL0594SS	20	N	150	N	55	N	2	N	N
WL0677SS	20	N	100	N	70	.20	<.5	2	N
WL0678SS	30	N	200	N	40	.10	N	2	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-B	S-BA	S-BE	S-BI
WL0679SS	38 17 49	119 19 12	3.0	1.00	1.0	.30	500	N	10	300	1.0	N
WL0680SS	38 17 14	119 18 53	3.0	1.00	1.0	.50	700	N	30	700	1.0	N

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SR	S-V	S-W
WL0679SS	20	100	10	30	N	50	20	15	300	200	N	
WL0680SS	10	50	10	30	N	N	20	15	700	300	N	

Table 3.--Data for stream-sediment samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-Y	S-ZN	S-ZR.	S-TH	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P	CH-AS
WL0679SS	20	N	200	N	50	.10	<.5	2	N
WL0680SS	30	N	200	N	40	.10	N	2	N

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California

Sample	Latitude	Longitude	S-FEZ	S-MGX	S-CAX	S-TIX	S-MN	S-AU	S-B
HV90001KN	38 11 48	119 19 46	.5	.30	10.0	2.0	1,000	N	150
HV90002KN	38 9 4	119 23 47	3.0	.500	15.0	.5	3,000	N	150
HV90003KN	38 8 54	119 23 41	1.5	.500	10.0	1.0	2,000	N	500
HV90004KN	38 8 40	119 23 6	.7	.50	10.0	>2.0	2,000	N	100
HV90005KN	38 8 39	119 22 42	.5	.50	10.0	>2.0	3,000	N	200
HV90006KN	38 9 19	119 19 18	3.0	.30	5.0	1.0	1,500	N	1,500
HV90007KN	38 8 53	119 21 5	1.0	.50	7.0	2.0	2,000	N	500
HV90008KN	38 14 14	119 20 23	.5	.50	10.0	>2.0	2,000	N	300
HV90100KN	38 9 24	119 16 44	3.0	.20	7.0	1.5	2,000	N	150
HV90111KN	38 6 25	119 16 58	2.0	.30	5.0	1.5	1,500	N	30
HV90122KN	38 1 14	119 32 48	1.0	.300	7.0	1.5	700	N	100
HV90133KN	38 17 14	119 32 37	.5	.20	10.0	>2.0	1,500	N	200
HV90144KN	38 17 12	119 32 42	1.0	.300	7.0	>2.0	1,000	N	<20
HV90155KN	38 17 16	119 32 46	2.0	.500	7.0	1.0	1,500	N	20
HV90166KN	38 1 33	119 31 18	2.0	.50	7.0	>2.0	1,000	N	20
HV90177KN	38 8 24	119 41 43	.7	.200	10.0	>2.0	1,500	N	200
HV90188KN	38 8 26	119 41 52	1.0	.30	10.0	>2.0	1,500	N	100
HV90200KN	38 10 53	119 38 7	.2	.15	7.0	>2.0	1,000	N	N
HV90211KN	38 10 53	119 38 1	.2	.05	10.0	>2.0	1,000	N	<20
HV90222KN	38 10 48	119 38 0	.5	.20	7.0	>2.0	1,000	N	<20
HV90224KN	38 14 2	119 33 14	.5	.20	7.0	>2.0	1,500	N	1,000
HV90255KN	38 14 5	119 33 17	.2	.10	7.0	>2.0	1,000	N	300
HV90266KN	38 20 33	119 31 43	1.0	.300	10.0	2.0	1,000	N	20
HV90277KN	38 20 48	119 31 14	1.5	.500	10.0	1.5	1,500	N	<20
HV90288KN	38 9 54	119 30 46	.5	.30	10.0	>2.0	2,000	N	<20
HV90299KN	38 9 56	119 30 39	.2	.05	7.0	>2.0	1,000	N	700
HV90300KN	38 10 52	119 31 54	.7	.100	7.0	>2.0	1,500	N	300
HV90311KN	38 10 49	119 31 48	.7	.20	10.0	>2.0	1,500	N	500
HV90333KN	38 12 20	119 33 14	1.5	.200	10.0	1.5	3,000	N	1,000
HV90344KN	38 1 34	119 32 47	.7	.50	7.0	>2.0	1,500	N	200
HV90355KN	38 14 33	119 32 34	.5	.20	10.0	>2.0	1,500	N	700
HV90366KN	38 14 46	119 32 16	.2	.15	7.0	>2.0	1,000	N	20
HV90377KN	38 14 43	119 33 57	2.0	.20	5.0	>2.0	2,000	N	70
HV90388KN	38 15 19	119 35 36	2.0	.500	10.0	.5	1,500	N	700
HV90399KN	38 15 15	119 35 40	5.0	.700	10.0	.7	1,500	N	20
HV90400KN	38 15 15	119 33 59	.5	.500	10.0	1.5	1,000	N	<20
HV90411KN	38 13 3	119 29 13	.2	.500	10.0	2.0	1,500	N	150
HV90422KN	38 13 3	119 29 15	.5	.500	10.0	2.0	2,000	N	700
HV90433KN	38 13 20	119 29 19	3.0	.200	5.0	>2.0	1,000	N	1,000
HV90444KN	38 13 53	119 29 19	7.0	.300	7.0	.7	700	N	2,000
HV90455KN	38 14 47	119 29 32	.5	.500	10.0	2.0	1,000	N	100
HV90466KN	38 15 8	119 29 1	.5	.500	15.0	2.0	2,000	N	70
HV90477KN	38 15 1	119 28 56	.5	.500	10.0	2.0	1,500	N	500
HV90488KN	38 15 16	119 28 8	.5	.500	10.0	2.0	2,000	N	20
HV90499KN	38 13 10	119 27 15	.5	.500	10.0	>2.0	1,500	N	200

Table 4.--Data for concentrate samples from the Hoover wilderness and adjacent study areas, California

Sample	S-BA	S-BE	S-BI	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
HV9001KN	200	N	N	10	20	<10	500	<10	<50	N	50
HV9002KN	2,000	10	200	10	150	20	1,500	<10	<50	50	50
HV9003KN	1,000	20	200	10	50	10	1,500	20	100	<10	30
HV9004KN	200	<2	N	10	50	10	>2,000	20	150	N	50
HV9005KN	300	5	150	10	20	10	>2,000	30	200	10	70
HV9006KN	700	3	N	N	50	<10	100	N	50	N	30
HV9007KN	700	<2	N	20	20	10	>2,000	30	100	20	50
HV9008KN	500	2	N	<10	<20	<10	1,000	20	70	N	30
HV9010KN	700	2	N	N	20	10	>2,000	<10	50	N	50
HV9011KN	700	<2	N	N	50	<10	70	30	70	N	30
HV9012KN	500	<2	N	10	300	10	200	N	<50	50	<20
HV9013KN	3,000	<2	N	50	<10	700	700	70	100	N	50
HV9014KN	500	<2	20	15	20	<10	300	10	70	50	30
HV9015KN	1,000	<2	30	20	20	10	150	N	<50	100	N
HV9016KN	>10,000	5	10	200	200	<10	300	<10	100	50	50
HV9017KN	150	<2	N	<10	50	N	1,000	50	200	<10	20
HV9018KN	200	<2	N	30	<10	500	300	30	100	N	50
HV9020KN	<50	<2	15	20	<10	500	500	50	150	<10	30
HV9021KN	100	2	20	20	20	10	700	50	200	20	50
HV9022KN	200	<2	N	10	100	<10	500	50	100	N	30
HV9024KN	300	<2	N	10	20	N	<10	500	20	150	<10
HV9025KN	200	2	N	10	N	<10	300	300	200	200	30
HV9026KN	500	2	N	10	20	<10	200	<10	70	30	N
HV9027KN	5,000	<2	N	10	50	N	200	200	20	150	N
HV9028KN	100	<2	N	N	50	N	700	20	150	N	50
HV9029KN	300	<2	N	15	50	15	1,000	10	200	10	70
HV9030KN	150	<2	N	10	100	<10	500	20	100	N	20
HV9031KN	200	<2	N	15	50	20	700	20	150	N	100
HV9033KN	1,000	<2	N	15	100	30	100	15	<50	N	30
HV9034KN	200	2	N	<10	50	N	500	20	150	N	20
HV9035KN	300	2	N	<10	50	N	700	50	150	<10	50
HV9036KN	50	<2	N	10	<20	<10	1,000	30	200	N	50
HV9037KN	200	2	N	<10	30	20	700	50	150	N	50
HV9038KN	200	N	N	15	2,000	20	50	10	N	150	<20
HV9039KN	200	N	N	20	1,000	10	70	30	N	200	N
HV9040KN	700	<2	N	30	1,000	10	200	20	<50	150	20
HV9041KN	1,500	5	N	15	500	10	500	15	70	100	50
HV9042KN	1,000	5	N	15	200	10	500	10	50	100	30
HV9043KN	1,000	2	N	20	50	100	200	10	70	N	70
HV9044KN	5,000	2	N	50	100	20	500	20	100	100	70
HV9045KN	500	2	N	20	1,000	<10	200	15	70	100	20
HV9046KN	10,000	5	N	10	70	20	500	50	50	50	50
HV9047KN	500	2	N	30	700	10	300	10	50	100	50
HV9048KN	500	2	N	15	500	15	500	15	70	100	30
HV9049KN	1,000	5	N	15	500	15	500	15	70	100	30

Table 4.-Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
HV9001KN	30	20	500	200	N	300	N	>2,000	1,500
HV9002KN	30	N	500	700	200	200	1,000	1,500	1,500
HV9003KN	30	<20	500	1,500	200	200	2,000	1,000	1,000
HV9004KN	50	70	500	<200	500	500	2,000	5,000	5,000
HV9005KN	50	50	500	500	100	100	2,000	2,000	>5,000
HV9006KN	20	N	700	300	N	70	2,000	N	>2,000
HV9007KN	50	50	500	300	500	700	2,000	>5,000	>5,000
HV9008KN	30	30	300	500	100	500	>2,000	2,000	2,000
HV9010KN	70	N	1,000	500	N	200	2,000	1,500	1,500
HV9011KN	20	50	1,500	300	700	200	>2,000	<500	<500
HV9012KN	30	20	500	200	N	200	>2,000	>2,000	>5,000
HV9013KN	20	100	N	500	500	500	>2,000	3,000	3,000
HV9014KN	30	20	500	500	200	200	>2,000	5,000	5,000
HV9015KN	50	20	1,000	300	N	100	>2,000	500	500
HV9016KN	30	N	2,000	200	N	100	2,000	<500	<500
HV9017KN	20	70	N	700	N	500	2,000	700	700
HV9018KN	20	70	200	500	N	700	2,000	500	500
HV9020KN	15	70	N	700	N	500	>2,000	5,000	5,000
HV9021KN	20	50	N	700	N	700	>2,000	>5,000	>5,000
HV9022KN	20	70	200	500	N	500	2,000	2,000	2,000
HV9024KN	20	50	300	500	N	500	>2,000	1,000	>5,000
HV9025KN	50	50	<200	700	700	1,000	>2,000	>5,000	>5,000
HV9026KN	30	20	700	500	N	200	>2,000	<500	<500
HV9027KN	50	50	<20	300	N	200	2,000	<500	<500
HV9028KN	50	100	1,000	500	200	500	2,000	2,000	2,000
HV9029KN	30	30	500	300	N	500	>2,000	>5,000	>5,000
HV9030KN	50	100	100	500	300	500	>2,000	2,000	2,000
HV9031KN	30	100	N	500	500	500	2,000	>5,000	>5,000
HV9032KN	20	N	200	500	200	150	2,000	N	N
HV9034KN	20	50	50	500	200	500	2,000	500	500
HV9035KN	20	70	N	500	200	500	>2,000	2,000	2,000
HV9036KN	20	70	N	700	N	1,500	>2,000	5,000	5,000
HV9037KN	30	50	200	500	200	200	2,000	700	700
HV9038KN	70	50	N	200	300	50	2,000	200	N
HV9039KN	70	30	50	700	N	30	2,000	2,000	N
HV9040KN	50	20	200	500	N	150	2,000	1,500	1,500
HV9041KN	50	20	500	300	100	200	2,000	1,000	1,000
HV9042KN	50	<20	500	500	200	150	2,000	1,000	1,000
HV9043KN	30	<20	200	500	<100	200	2,000	<500	<500
HV9044KN	50	N	N	500	1,000	700	>2,000	>5,000	>5,000
HV9045KN	70	20	200	500	700	200	2,000	1,000	1,000
HV9046KN	50	20	500	500	200	200	2,000	<500	<500
HV9047KN	50	20	500	500	200	200	2,000	1,000	1,000
HV9048KN	50	<20	500	300	200	150	2,000	5,000	5,000
HV9049KN	50	<20	500	500	500	150	2,000	1,500	1,500

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	Latitude	Longitude	S-FEX	S-MG%	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
HV9050KN	38 14 47	119 26 11	2.0	5.00	10.0	>2.0	1,500	N	N	N	150
HV9051KN	38 16 25	119 25 39	2.0	2.00	10.0	>2.0	1,500	N	N	N	100
HV9052KN	38 16 27	119 25 33	5.0	5.00	10.0	>2.0	2,000	N	N	N	50
HV9053KN	38 16 50	119 22 36	5.0	7.00	15.0	1.0	1,500	N	N	N	70
HV9054KN	38 7 29	119 26 35	2.0	.10	10.0	>2.0	3,000	N	<500	N	50
HV9055KN	38 7 37	119 26 42	3.0	.20	10.0	>2.0	2,000	N	N	<500	150
HV9056KN	38 8 37	119 26 8	2.0	.10	10.0	>2.0	2,000	N	N	50	50
HV9057KN	38 8 40	119 26 7	1.0	.10	10.0	>2.0	2,000	N	N	50	50
HV9058KN	38 7 29	119 26 39	7.0	.10	5.0	>2.0	3,000	N	N	N	20
HV9059KN	38 11 5	119 27 1	2.0	.300	10.0	1.5	1,500	N	N	N	200
HV9060KN	38 11 2	119 27 2	1.0	.10	5.0	>2.0	1,500	N	N	N	20
HV9061KN	38 11 16	119 26 24	5.0	.300	7.0	1.5	2,000	N	N	300	300
HV9062KN	38 11 12	119 26 26	2.0	.100	5.0	2.0	2,000	N	N	500	500
HV9063KN	38 11 29	119 25 58	3.0	.150	5.0	>2.0	1,000	N	N	<20	<20
HV9064KN	38 10 33	119 29 32	1.0	.10	7.0	>2.0	2,000	N	<500	N	N
HV9065KN	38 10 36	119 29 30	.5	.30	5.0	>2.0	1,500	N	N	20	20
HV9067KN	38 9 53	119 28 32	.7	<.05	5.0	>2.0	1,500	N	N	70	70
HV9068KN	38 9 53	119 28 25	1.0	.10	5.0	>2.0	1,000	N	N	20	20
HV9069KN	38 10 23	119 28 19	.5	.10	7.0	>2.0	1,000	N	N	20	20
HV9070KN	38 10 33	119 27 29	1.0	.10	7.0	>2.0	2,000	N	N	<20	<20
HV9071KN	38 9 55	119 24 26	2.0	.300	10.0	1.0	2,000	N	N	200	200
HV9072KN	38 10 0	119 24 20	2.0	.300	7.0	1.5	2,000	N	N	300	300
HV9073KN	38 10 49	119 22 55	3.0	.300	7.0	1.0	3,000	N	N	70	70
HV9074KN	38 10 52	119 22 56	5.0	.300	5.0	1.5	2,000	N	N	200	200
HV9075KN	38 12 19	119 21 57	3.0	.50	10.0	1.0	5,000	N	N	100	100
HV9076KN	38 12 52	119 21 31	.5	.10	5.0	>2.0	1,500	N	N	200	200
HV9077KN	38 12 56	119 21 12	.2	.05	5.0	>2.0	1,500	N	N	N	N
HV9078KN	38 8 32	119 25 13	1.0	.10	10.0	>2.0	2,000	N	N	20	20
HV9079KN	38 8 39	119 25 16	1.0	.15	5.0	>2.0	1,500	N	N	150	150
HV9080KN	38 8 8	119 23 28	.5	.10	7.0	>2.0	2,000	N	N	20	20
HV9081KN	38 8 12	119 23 26	1.0	.05	5.0	>2.0	2,000	N	N	50	50
HV9082KN	38 6 43	119 22 27	.5	.10	7.0	>2.0	2,000	N	N	20	20
HV9084KN	38 6 28	119 20 43	5.0	.100	5.0	1.0	2,000	N	N	300	300
HV9085KN	38 7 24	119 18 59	3.0	.50	5.0	1.0	1,500	N	N	70	70
HV9087KN	38 1 6 59	119 36 27	3.0	.300	10.0	.5	1,500	N	N	200	200
HV9088KN	38 17 12	119 36 11	3.0	.700	10.0	.7	1,000	N	N	50	50
HV9090KN	38 17 42	119 36 9	3.0	.700	10.0	1.0	2,000	N	N	100	100
HV9091KN	38 18 31	119 35 27	2.0	.700	15.0	1.0	3,000	N	N	<20	<20
HV9092KN	38 18 24	119 35 25	3.0	.500	10.0	2.0	1,000	N	N	50	50
HV9093KN	38 20 9	119 28 53	.5	.100	10.0	>2.0	1,000	N	N	20	20
HV9094KN	38 20 6	119 27 1	.5	1.00	10.0	>2.0	1,500	N	N	50	50
HV9096KN	38 13 39	119 24 7	.7	.20	5.0	>2.0	1,000	N	N	70	70
HV9097KN	38 13 50	119 23 42	1.0	.200	10.0	>2.0	1,000	N	N	70	70
HV9098KN	38 13 54	119 23 38	3.0	.300	10.0	2.0	1,500	N	N	50	50
HV9100KN	38 17 48	119 27 0	2.0	.300	10.0	2.0	1,000	N	N	150	150

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	S-BA	S-BE	S-BI	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
HV9050KN	\$,000	3	N	10	100	<10	500	15	100	20	50
HV9051KN	300	2	N	20	150	<10	500	<10	150	N	50
HV9052KN	500	3	N	15	500	10	200	<10	70	150	20
HV9053KN	500	3	N	20	1,000	15	300	15	<50	200	N
HV9054KN	300	5	N	20	<20	15	500	15	200	N	50
HV9055KN	500	5	N	15	50	10	500	15	150	N	50
HV9056KN	200	3	N	<10	20	10	500	1.5	200	<10	50
HV9057KN	300	5	N	20	20	15	500	N	200	N	70
HV9058KN	500	5	N	15	<20	10	500	N	100	N	70
HV9059KN	1,500	<2	N	20	1,000	500	500	10	<50	50	20
HV9060KN	150	<2	N	10	20	<10	500	10	100	N	50
HV9061KN	1,500	10	N	10	100	30	200	<10	<50	<10	30
HV9062KN	1,000	N	10	10	50	10	300	<10	50	N	20
HV9063KN	500	<2	N	20	100	100	200	20	50	<10	50
HV9064KN	100	<2	N	15	20	10	700	N	200	20	70
HV9065KN	100	<2	N	50	70	20	500	20	70	N	100
HV9067KN	200	<2	N	30	20	15	500	20	100	<10	150
HV9068KN	100	<2	N	30	20	15	500	15	100	20	70
HV9069KN	100	<2	N	20	50	15	700	10	100	N	50
HV9070KN	200	<2	N	10	20	10	1,000	10	100	<10	50
HV9071KN	1,500	10	N	10	300	20	150	N	<50	30	50
HV9072KN	700	7	N	10	200	15	500	10	50	20	20
HV9073KN	200	5	N	20	700	<10	500	N	<50	100	20
HV9074KN	1,500	7	N	15	100	50	300	<10	<50	<10	50
HV9075KN	1,000	3	N	N	100	15	100	N	<50	N	50
HV9076KN	150	<2	N	<10	50	N	700	20	100	20	50
HV9077KN	<50	N	<10	<20	<10	700	700	20	300	<10	20
HV9078KN	150	<2	N	15	<20	10	1,000	<10	150	20	70
HV9079KN	300	7	N	10	<20	15	1,000	N	150	N	100
HV9080KN	150	<2	N	15	20	<10	1,000	15	200	N	50
HV9081KN	100	<2	N	<10	20	N	500	10	150	20	50
HV9082KN	100	<2	N	10	<20	<10	700	10	100	<10	30
HV9084KN	1,000	5	N	10	20	30	200	10	100	N	50
HV9085KN	700	<2	N	<10	50	15	100	N	<10	30	300
HV9087KN	200	<2	N	10	1,000	20	100	N	N	100	300
HV9088KN	700	<2	N	20	1,000	20	50	<10	N	150	50
HV9090KN	1,000	<2	N	15	1,000	15	150	N	N	150	300
HV9091KN	700	N	N	15	1,000	20	200	N	N	150	20
HV9092KN	5,000	<2	N	20	700	50	300	<10	50	100	150
HV9093KN	1,000	<2	N	N	150	<10	500	20	70	N	50
HV9094KN	5,000	<2	N	<10	150	<10	300	20	100	<10	30
HV9096KN	700	<2	N	N	100	<10	500	N	50	N	50
HV9097KN	700	N	N	10	300	10	500	N	70	20	N
HV9098KN	200	<2	N	20	1,000	10	300	<10	50	100	100
HV9100KN	200	2	N	20	1,500	30	500	15	50	50	30

Table 4.--Data for concentrate samples from the Hoover wilderness and adjacent study areas, California--continued

sample	S-SC	S-SSN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
HV9050KN	50	<20	200	500	150	300	N	>2,000	1,500
HV9051KN	30	20	200	500	300	500	N	>2,000	3,000
HV9052KN	70	20	500	500	N	200	N	2,000	500
HV9053KN	70	20	500	500	700	100	N	>2,000	<500
HV9054KN	50	50	500	500	<100	700	N	>2,000	>5,000
HV9055KN	50	50	200	500	<100	700	N	>2,000	>5,000
HV9056KN	50	50	500	200	<100	1,000	N	>2,000	>5,000
HV9057KN	50	50	500	200	<100	700	N	>2,000	>5,000
HV9058KN	30	20	200	500	N	200	N	2,000	3,000
HV9059KN	50	N	300	300	300	300	N	2,000	5,000
HV9060KN	50	50	500	300	N	200	N	2,000	2,000
HV9061KN	50	N	1,500	500	200	700	N	<500	<500
HV9062KN	20	N	700	300	300	150	N	1,000	700
HV9063KN	50	<20	700	700	700	200	N	2,000	<500
HV9064KN	50	50	500	300	<100	700	N	2,000	>5,000
HV9065KN	70	20	700	200	<100	1,000	N	>2,000	>5,000
HV9067KN	50	30	700	300	N	300	N	2,000	>5,000
HV9068KN	50	30	700	200	N	700	N	2,000	>5,000
HV9069KN	50	30	500	300	<100	500	N	>2,000	>5,000
HV9070KN	50	50	500	300	1,000	700	N	2,000	>5,000
HV9071KN	50	N	700	500	N	70	N	200	N
HV9072KN	50	<20	500	300	<100	100	N	1,500	500
HV9073KN	50	N	200	300	<100	100	N	700	<500
HV9074KN	50	N	1,000	500	<100	100	N	700	<500
HV9075KN	10	N	700	300	<100	70	N	500	<500
HV9076KN	30	20	<200	300	N	200	N	>2,000	500
HV9077KN	50	70	N	300	N	2,000	N	>2,000	2,000
HV9078KN	50	50	500	300	N	500	N	>2,000	>5,000
HV9079KN	50	50	500	200	N	300	N	1,500	5,000
HV9080KN	70	70	200	300	N	300	N	2,000	5,000
HV9081KN	50	50	700	300	N	200	N	2,000	500
HV9082KN	30	50	500	300	<100	70	N	2,000	1,500
HV9084KN	50	N	500	500	N	50	N	300	N
HV9085KN	50	N	1,000	500	N	1,000	N	>2,000	<500
HV9087KN	70	N	700	300	N	50	N	2,000	N
HV9088KN	100	100	500	500	N	50	N	1,500	<500
HV9090KN	100	100	500	500	N	100	N	2,000	N
HV9091KN	100	N	500	500	N	100	N	2,000	N
HV9092KN	70	N	500	300	N	150	N	>2,000	1,000
HV9093KN	30	30	700	300	N	300	N	>2,000	<500
HV9094KN	50	20	700	300	N	300	N	>2,000	2,000
HV9096KN	50	20	500	200	N	300	N	>2,000	500
HV9097KN	50	20	500	300	<100	300	N	>2,000	1,500
HV9098KN	70	N	500	300	N	200	N	>2,000	500
HV9099KN	30	30	700	300	N	300	N	>2,000	2,000
HV9100KN	50	20	500	300	N	300	N	>2,000	2,000

Table 4.--Data for concentrate samples from the Hoover wilderness and adjacent study areas, California--continued

Sample	Latitude	Longitude	S-Fix	S-MGZ	S-CAX	S-TIX	S-MN	S-AU	S-B
HV9101KN	38 17 32	119 28 32	5.0	.70	3.0	1.5	1,000	N	>5,000
HV9102KN	38 17 27	119 28 30	3.0	.50	7.0	1.0	2,000	N	1,000
HV9103KN	38 17 39	119 26 28	.5	2.00	10.0	>2.0	1,000	N	70
HV9104KN	38 17 24	119 26 1	1.5	2.00	10.0	2.0	1,500	N	200
HV9105KN	38 18 1	119 28 27	5.0	.50	5.0	1.0	1,000	N	>5,000
HV9106KN	38 18 52	119 28 1	1.5	.70	10.0	2.0	2,000	N	30
HV9107KN	38 19 13	119 28 15	1.5	.50	10.0	>2.0	1,000	N	<20
HV9108KN	37 57 36	119 16 46	.3	.50	10.0	>2.0	2,000	N	500
HV9109KN	37 57 11	119 15 34	5.0	.50	5.0	1.7	2,000	N	2,000
HV9111KN	37 58 55	119 17 26	3.0	.50	7.0	1.0	3,000	N	1,000
HV9112KN	37 58 41	119 17 39	.5	.10	10.0	>2.0	2,000	N	N
HV9114KN	38 15 4	119 32 5	.7	2.00	10.0	>2.0	1,500	N	<20
HV9115KN	38 15 27	119 31 57	.5	.50	7.0	>2.0	1,500	N	700
HV9116KN	38 15 27	119 31 52	1.0	1.00	10.0	>2.0	1,500	N	200
HV9117KN	38 15 36	119 31 49	.5	.50	10.0	>2.0	1,000	N	20
HV9118KN	38 15 51	119 31 43	1.5	2.00	7.0	>2.0	1,000	N	20
HV9119KN	38 15 55	119 31 38	.7	1.00	7.0	>2.0	1,500	N	20
HV9120KN	38 10 38	119 33 52	.7	3.00	7.0	>2.0	1,000	N	700
HV9121KN	38 11 38	119 34 14	.5	.50	5.0	>2.0	1,500	N	1,000
HV9122KN	38 11 40	119 34 22	1.0	.20	5.0	>2.0	1,000	N	1,000
HV9123KN	38 12 20	119 35 49	.2	.20	5.0	>2.0	700	N	100
HV9124KN	38 12 12	119 35 49	2.0	1.00	7.0	>2.0	1,500	N	<1,000
HV9125KN	38 13 16	119 36 10	1.0	.50	7.0	>2.0	1,000	N	50
HV9126KN	38 13 23	119 36 13	3.0	.50	10.0	1.0	1,000	N	20
HV9127KN	38 12 12	119 34 30	.5	.15	5.0	>2.0	1,000	N	200
HV9128KN	38 14 23	119 34 32	3.0	.50	10.0	1.7	1,500	N	200
HV9129KN	38 14 48	119 34 15	3.0	.50	10.0	1.0	1,000	N	<20
HV9130KN	38 14 40	119 34 18	.5	3.00	7.0	>2.0	1,000	N	200
HV9131KN	38 14 16	119 34 35	1.5	.50	7.0	2.0	1,500	N	20
HV9132KN	38 10 3	119 32 11	1.0	.15	10.0	>2.0	2,000	N	150
HV9133KN	38 10 1	119 32 7	.5	.20	7.0	>2.0	1,500	N	20
HV9134KN	38 9 33	119 31 22	.5	.15	10.0	>2.0	2,000	N	20
HV9135KN	37 57 13	119 13 36	.5	.70	7.0	>2.0	700	N	20
HV9137KN	38 16 10	119 20 28	.7	2.00	7.0	>2.0	1,000	N	50
HV9138KN	38 16 6	119 20 25	2.0	3.00	10.0	2.0	1,500	N	20
HV9139KN	38 0 46	119 16 57	3.0	2.00	10.0	2.0	2,000	N	700
HV9141KN	38 1 13	119 16 18	2.0	.50	7.0	2.0	1,500	N	500
HV9142KN	38 1 4	119 16 17	3.0	2.00	7.0	2.0	2,000	N	<5,000
HV9143KN	38 2 56	119 18 25	3.0	.20	2.0	2.0	1,500	N	20
HV9144KN	38 3 2	119 18 29	10.0	.10	1.5	2.0	1,000	N	300
HV9145KN	38 4 41	119 17 21	2.0	.50	10.0	1.5	5,000	N	100
HV9146KN	38 4 42	119 17 28	3.0	.50	5.0	2.0	2,000	N	50
HV9147KN	38 1 27	119 14 32	1.5	.50	5.0	1.5	1,500	N	50
HV9148KN	38 1 29	119 14 34	3.0	.70	5.0	1.5	1,500	N	300
HV9149KN	38 1 49	119 13 2	1.0	.50	7.0	2.0	1,500	N	100

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California--continued

Sample	S-BA	S-BE	S-BI	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
HV9101KN	3,000	7	N	N	70	30	500	15	<50	N	300
HV9102KN	1,000	7	N	N	<20	10	300	10	<50	N	50
HV9103KN	300	2	N	N	500	10	1,000	15	100	<10	50
HV9104KN	200	<2	N	N	500	10	300	20	50	50	20
HV9105KN	7,000	10	N	N	30	500	20	<50	N	N	70
HV9106KN	1,500	2	N	N	<10	70	15	70	10	70	70
HV9107KN	500	2	N	N	50	20	500	50	200	N	30
HV9108KN	500	<2	N	N	20	<10	1,000	30	150	20	30
HV9109KN	1,500	5	N	N	<10	150	70	20	<50	70	200
HV9111KN	2,000	5	N	N	<10	<20	10	300	10	<50	N
HV9112KN	<50	<2	N	N	N	20	700	50	100	N	50
HV9114KN	100	2	N	N	20	500	500	50	150	20	20
HV9115KN	200	2	N	N	10	150	700	20	150	N	30
HV9116KN	200	<2	N	N	150	<10	500	50	200	10	20
HV9117KN	300	<2	N	N	<10	30	1,000	30	150	10	N
HV9118KN	5,000	<2	N	N	10	50	20	500	30	100	30
HV9119KN	>10,000	2	N	N	10	50	<10	700	30	200	20
HV9120KN	200	N	N	N	15	100	<10	50	30	N	50
HV9121KN	150	<2	N	N	10	50	<10	200	15	<50	30
HV9122KN	200	<2	N	N	10	20	<10	300	50	N	30
34	HV9123KN	500	<2	N	20	20	<10	500	30	100	50
	HV9124KN	300	5	100	<10	20	<10	500	20	100	30
	HV9125KN	1,000	2	N	30	1,000	10	200	15	70	100
	HV9126KN	2,000	<2	N	30	2,000	15	70	15	N	50
	HV9127KN	150	<2	N	N	<20	N	300	15	<50	N
HV9128KN	100	<2	N	N	20	1,500	50	<10	N	150	<20
HV9129KN	1,000	<2	N	N	20	2,000	10	200	20	<50	30
HV9130KN	200	<2	N	N	20	500	<10	300	20	70	20
HV9131KN	100	2	N	N	20	1,500	10	200	15	50	30
HV9132KN	150	2	N	N	<10	20	<10	700	70	100	N
HV9133KN	300	2	N	N	20	20	<10	700	50	200	30
HV9134KN	100	<2	N	N	20	20	<10	1,000	30	200	70
HV9135KN	100	2	N	N	10	100	<10	500	50	200	<10
HV9137KN	200	<2	N	N	10	200	10	500	<10	50	30
HV9138KN	200	<2	N	N	15	700	10	300	<10	70	50
HV9139KN	1,000	<2	N	N	15	70	150	1,000	10	<50	50
HV9141KN	700	<2	N	N	<10	50	10	500	N	70	50
HV9142KN	1,500	2	N	N	15	50	50	700	10	<50	N
HV9143KN	500	<2	N	N	50	<20	50	700	N	50	70
HV9144KN	1,500	<2	N	N	50	<20	50	500	N	<50	<10
HV9145KN	500	<2	N	N	<10	70	10	200	N	<50	N
HV9146KN	500	<2	200	100	20	20	100	300	70	<50	50
HV9147KN	1,000	<2	N	N	<20	<10	<10	200	N	50	150
HV9148KN	1,000	<2	<20	<10	<20	70	50	500	50	100	10,000
HV9149KN	1,500	<2	<10	30	30	<10	30	200	N	50	50

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
HV9101KN	30	N	2,000	700	N	100	N	1,500	<500
HV9102KN	30	N	2,000	700	N	50	N	500	N
HV9103KN	30	30	200	700	500	700	N	>2,000	>5,000
HV9104KN	70	<20	500	300	N	300	N	2,000	1,500
HV9105KN	20	N	1,500	500	N	70	N	2,000	<500
HV9106KN	30	30	1,000	500	N	200	N	2,000	500
HV9107KN	20	50	1,000	300	N	500	N	2,000	700
HV9108KN	20	30	200	500	100	300	N	>2,000	1,000
HV9109KN	20	N	N	700	<100	150	N	500	N
HV9111KN	20	<20	500	300	150	100	N	2,000	<500
HV9112KN	20	100	N	500	100	500	N	2,000	700
HV9114KN	50	70	N	700	N	1,000	N	>2,000	1,500
HV9115KN	20	70	N	500	N	700	N	>2,000	1,000
HV9116KN	50	50	N	700	N	700	N	>2,000	2,000
HV9117KN	30	70	N	500	N	700	N	>2,000	2,000
HV9118KN	20	50	700	300	N	300	N	>2,000	500
HV9119KN	50	50	2,000	500	N	700	N	>2,000	1,500
HV9120KN	50	50	N	200	300	300	N	>2,000	N
HV9121KN	50	100	N	300	N	500	N	>2,000	500
HV9122KN	50	70	200	300	<100	500	N	>2,000	1,500
HV9123KN	20	20	300	500	N	500	N	>2,000	>5,000
HV9124KN	30	50	200	500	100	300	N	>2,000	<500
HV9125KN	70	<20	200	500	N	300	N	2,000	<500
HV9126KN	50	50	200	300	N	100	N	>2,000	500
HV9127KN	50	70	N	300	N	500	N	>2,000	<500
HV9128KN	100	70	200	500	N	50	N	1,000	N
HV9129KN	30	70	200	500	100	200	N	>2,000	>3,000
HV9130KN	50	20	200	500	N	500	N	>2,000	5,000
HV9131KN	70	20	N	500	N	150	N	1,000	N
HV9132KN	50	100	500	300	N	500	N	2,000	1,500
HV9133KN	50	70	200	500	N	500	N	>2,000	>5,000
HV9134KN	30	70	300	500	N	500	N	>2,000	>5,000
HV9135KN	30	50	N	700	N	200	N	>2,000	700
HV9137KN	100	20	500	300	N	1,000	N	>2,000	5,000
HV9138KN	100	20	300	300	N	200	N	2,000	1,000
HV9139KN	50	N	1,000	700	300	200	N	1,500	N
HV9141KN	100	150	N	150	500	500	N	1,000	>2,000
HV9142KN	50	N	N	500	300	300	N	2,000	N
HV9143KN	50	N	N	500	500	300	N	1,500	>2,000
HV9144KN	30	N	N	500	N	150	N	1,500	>2,000
HV9145KN	30	N	N	1,000	500	500	N	150	>2,000
HV9146KN	50	20	700	300	500	200	N	200	>2,000
HV9147KN	20	<20	1,000	300	100	100	N	2,000	N
HV9148KN	50	300	N	300	500	500	N	2,000	<500
HV9149KN	30	<20	1,000	500	N	200	N	>2,000	<500

Table 4.--Data for concentrate samples from the Hoover wilderness and adjacent study areas, California--continued

Sample	Latitude	Longitude	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AU	S-AS	S-B
HV9150KN	38 4 48	119 19 17	5.0	.30	5.0	1.5	2,000	30	N	N	100
HV9151KN	38 4 40	119 19 14	15.0	.30	2.0	1,000	20	N	N	N	1,000
HV9152KN	38 5 17	119 18 40	2.0	.50	7.0	1.5	3,000	N	N	N	200
HV9153KN	38 5 52	119 17 23	2.0	.50	7.0	2.0	2,000	N	N	N	100
HV9154KN	37 57 15	119 13 30	.7	1.00	3.0	1.5	1,000	1,000	N	N	20
HV9155KN	37 57 13	119 13 36	1.0	1.00	3.0	1.5	1,000	3,000	N	N	70
HV9156KN	37 57 46	119 14 13	1.5	5.00	7.0	2.0	2,000	N	N	N	100
HV9157KN	37 57 46	119 14 7	3.0	3.00	7.0	2.0	2,000	N	N	N	100
HV9158KN	37 57 36	119 14 9	2.0	2.00	10.0	1.5	2,000	N	N	N	100
HV9159KN	38 3 7	119 16 21	2.0	.50	5.0	2.0	2,000	N	N	N	150
HV9160KN	38 3 1	119 16 20	5.0	.30	3.0	1.5	2,000	1	N	N	100
HV9163KN	38 11 7	119 39 15	.2	.10	7.0	>2.0	1,000	N	N	N	N
HV9164KN	38 11 10	119 39 19	.5	.50	10.0	>2.0	1,000	N	N	N	N
HV9165KN	38 18 33	119 23 30	2.0	2.00	7.0	1.5	700	N	N	N	N
HV9166KN	38 18 32	119 23 47	1.0	3.00	7.0	2.0	1,000	N	N	N	100
HV9167KN	38 18 35	119 21 25	2.0	3.00	10.0	1.0	1,000	N	N	N	N
HV9168KN	38 18 31	119 21 20	2.0	3.00	7.0	1.0	1,000	N	N	N	<20
HV9169KN	38 18 3	119 21 52	1.0	3.00	7.0	1.0	1,000	N	N	N	70
HV9170KN	38 13 12	119 24 18	.5	.20	5.0	2.0	500	N	N	N	1,500
HV9171KN	38 13 25	119 23 58	1.0	1.00	5.0	2.0	1,000	N	N	N	N
HV9172KN	38 9 10	119 20 30	1.0	.50	5.0	2.0	1,500	N	N	N	150
HV9173KN	38 8 43	119 22 0	2.0	.70	5.0	2.0	2,000	N	N	N	150
HV9174KN	37 56 24	119 15 6	1.0	1.50	7.0	>2.0	2,000	N	N	N	2,000
HV9175KN	38 9 13	119 16 30	1.5	.50	10.0	2.0	1,500	N	N	N	100
HV9176KN	38 6 42	119 22 19	.7	.50	10.0	>2.0	2,000	N	N	N	100
HV9177KN	38 8 37	119 27 38	.5	.20	10.0	>2.0	2,000	N	N	N	20
HV9178KN	38 10 57	119 40 44	.5	.10	7.0	>2.0	1,000	N	N	N	N
HV9179KN	38 10 50	119 40 41	.5	.50	7.0	>2.0	1,000	N	N	N	50
HV9180KN	38 13 33	119 34 40	.7	.50	5.0	>2.0	1,000	N	N	N	N
HV9181KN	38 13 1	119 32 56	.5	.10	5.0	>2.0	1,000	N	N	N	N
HV9183KN	37 59 0	119 17 5	3.0	1.50	5.0	1.5	2,000	7	N	N	1,000
HV9184KN	38 10 50	119 31 42	.2	.20	7.0	>2.0	1,500	N	N	N	100
HV9185KN	38 9 32	119 39 41	.5	.50	7.0	>2.0	1,500	N	N	N	100
HV9186KN	38 17 42	119 36 4	3.0	.50	5.0	2.0	1,000	N	N	N	100
HV9187KN	38 16 57	119 36 23	2.0	7.00	10.0	1.0	1,000	N	N	N	20
HV9196KN	38 16 6	119 20 25	3.0	2.00	10.0	2.0	2,000	1	N	N	5,000
WL0308KN	38 6 55	119 16 1	2.0	.50	5.0	2.0	1,500	N	N	N	100
WL0309KN	38 6 26	119 14 59	2.0	.50	5.0	2.0	1,000	N	N	N	100
WL0590KN	38 20 39	119 23 32	.2	<.05	2.0	1.5	300	N	N	N	20
WL0593KN	38 19 43	119 20 10	1.0	.20	3.0	>2.0	1,000	N	N	N	N
WL0594KN	38 18 46	119 20 17	2.0	.30	7.0	1.5	1,000	N	N	N	<20
WL0677KN	38 15 36	119 18 8	2.0	.30	15.0	2.0	1,500	N	N	N	150
WL0678KN	38 16 7	119 18 8	2.0	.30	10.0	2.0	1,000	N	N	N	150
WL0679KN	38 17 49	119 19 12	.7	.70	5.0	>2.0	700	N	N	N	200
WL0680KN	38 17 14	119 18 53	.5	1.00	5.0	>2.0	1,000	N	N	N	N

Table 4.--Data for concentrate samples from the Hoover Wilderness and adjacent study areas, California--continued

sample	S-BA	S-BE	S-BI	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
Hv9150KN	500	N	150	70	20	15	1,500	N	50	<10	100
Hv9151KN	700	<2	N	50	20	50	1,000	<10	70	<10	200
Hv9152KN	500	<2	N	N	20	<10	500	N	70	50	50
Hv9153KN	500	<2	N	10	70	10	300	N	<50	<10	50
Hv9154KN	500	<2	N	10	<10	300	N	100	N	20	20
Hv9155KN	500	<2	N	<10	100	300	N	<50	N	100	100
Hv9156KN	5,000	<2	N	100	20	700	<10	50	N	50	50
Hv9157KN	3,000	<2	N	N	70	20	500	<10	N	70	70
Hv9158KN	1,500	2	N	10	150	70	500	N	50	<10	50
Hv9159KN	700	<2	N	N	20	10	300	N	<50	N	50
Hv9160KN	700	<2	N	15	50	500	<10	<50	N	50	50
Hv9163KN	<50	<2	N	N	<20	N	500	20	50	20	20
Hv9164KN	50	<2	N	N	70	N	500	15	N	30	20
Hv9165KN	500	<2	N	15	500	<10	200	N	<50	70	<20
Hv9166KN	200	<2	N	15	300	10	300	N	70	50	30
Hv9167KN	500	<2	N	10	500	10	150	N	<50	100	20
Hv9168KN	5,000	<2	N	20	10	500	10	100	N	70	20
Hv9169KN	1,000	<2	N	N	500	10	100	N	50	N	20
Hv9170KN	500	N	N	N	20	N	200	<10	50	N	20
Hv9171KN	500	2	N	<10	100	15	300	<10	<50	N	20
Hv9172KN	500	2	N	N	<10	30	<10	500	N	50	20
Hv9173KN	500	2	N	N	20	<10	1,500	10	<50	N	20
Hv9174KN	500	<2	N	N	30	<10	500	10	<50	N	20
Hv9175KN	500	<2	N	N	30	<10	1,000	<10	<50	N	50
Hv9176KN	150	<2	N	10	<20	N	1,000	15	150	<10	50
Hv9177KN	100	N	N	N	15	20	15	700	<10	200	70
Hv9178KN	50	N	N	10	<20	N	1,000	15	100	20	30
Hv9179KN	100	N	N	10	50	<10	500	20	100	20	50
Hv9180KN	300	N	N	10	300	<10	500	10	100	N	50
Hv9181KN	200	N	N	<10	20	N	700	20	100	<10	20
Hv9183KN	1,000	2	N	N	15	100	100	<10	50	N	300
Hv9184KN	200	<2	N	20	20	20	500	<10	150	20	70
Hv9185KN	100	N	N	10	50	<10	700	50	150	20	50
Hv9186KN	5,000	<2	N	20	1,500	20	300	<10	N	100	50
Hv9187KN	700	N	N	15	1,500	15	100	<10	N	150	20
Hv9196KN	1,500	<2	N	N	50	20	70	500	<10	<50	50
WL0308KN	500	<2	N	N	150	<10	300	10	<50	N	70
WL0309KN	1,000	<2	N	100	100	10	200	<10	50	<10	2,000
WL03090KN	700	<2	N	N	<20	N	200	N	50	<10	150
WLCS93KN	1,000	<2	N	15	30	15	500	<10	100	N	10
WLCS94KN	2,000	<2	N	50	700	10	300	15	50	100	20
WL0677KN	1,000	<2	N	15	500	70	500	N	<50	50	20
WLCS678KN	5,000	N	N	15	500	10	200	N	70	50	50
WL0679KN	150	<2	N	10	70	<10	500	<10	<50	<10	N
WL0680KN	150	<2	N	10	100	<10	100	10	50	<10	10

Table 4.-Data for concentrate samples from the Hoover wilderness and adjacent study areas, California--continued

Sample	S-SC	S-SN	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
HV9150KN	70	N	500	3,000	200	N	2,000	500
HV9151KN	50	<20	1,000	150	300	N	2,000	N
HV9152KN	70	50	1,000	150	300	N	2,000	N
HV9153KN	70	N	1,000	500	200	N	>2,000	500
HV9154KN	20	<20	700	300	N	150	2,000	N
HV9155KN	30	20	500	500	N	100	1,000	N
HV9156KN	50	<20	700	700	N	150	1,000	N
HV9157KN	50	<20	700	1,000	100	150	1,000	N
HV9158KN	50	<20	700	500	N	200	1,500	N
HV9159KN	70	N	1,000	500	N	150	2,000	N
HV9160KN	50	N	1,500	300	N	200	1,500	N
HV9163KN	15	20	N	500	<100	150	>2,000	500
HV9164KN	20	20	300	300	<100	200	>2,000	500
HV9165KN	70	N	700	300	N	100	500	500
HV9166KN	70	<20	1,000	300	N	200	>2,000	1,000
HV9167KN	50	N	700	300	N	70	2,000	N
HV9168KN	70	N	700	300	N	100	1,500	500
HV9169KN	50	N	1,000	300	N	70	1,000	N
HV9170KN	15	<20	500	300	N	150	2,000	500
HV9171KN	30	<20	700	300	<100	100	>2,000	<500
HV9172KN	20	<20	500	300	<100	100	>2,000	500
HV9173KN	30	<20	500	500	<100	100	1,000	500
HV9174KN	20	20	200	500	<100	150	2,000	<500
HV9175KN	30	<20	700	300	<100	100	2,000	700
HV9176KN	50	70	500	500	N	300	2,000	1,000
HV9177KN	30	70	200	500	<100	300	>5,000	>5,000
HV9178KN	30	50	N	700	N	300	>2,000	1,500
HV9179KN	20	30	<200	500	200	300	>2,000	2,000
HV9180KN	30	30	200	500	N	200	>2,000	1,500
HV9181KN	50	50	<200	500	100	500	>2,000	1,500
HV9183KN	50	100	1,000	700	<100	150	1,000	<500
HV9184KN	50	50	500	300	N	300	>5,000	>5,000
HV9185KN	30	50	N	700	N	500	2,000	3,000
HV9186KN	70	<20	1,000	500	N	200	2,000	1,500
HV9187KN	70	50	300	500	N	70	2,000	<500
HV9196KN	50	N	500	300	100	300	1,000	N
WL0308KN	70	<20	1,500	300	<100	N	>2,000	<500
WL0309KN	50	50	1,000	300	70	150	>2,000	<500
WL0590KN	<10	N	1,000	70	N	150	2,000	<200
WL0593KN	70	50	200	500	100	2,000	>2,000	5,000
WL0594KN	70	30	700	500	150	300	2,000	700
WL0677KN	100	<20	700	500	N	300	<2,000	<500
WL0678KN	100	50	500	300	N	500	>2,000	1,500
WL0679KN	30	50	200	500	N	300	>2,000	1,500
WL0680KN	20	50	500	300	N	300	>2,000	500

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